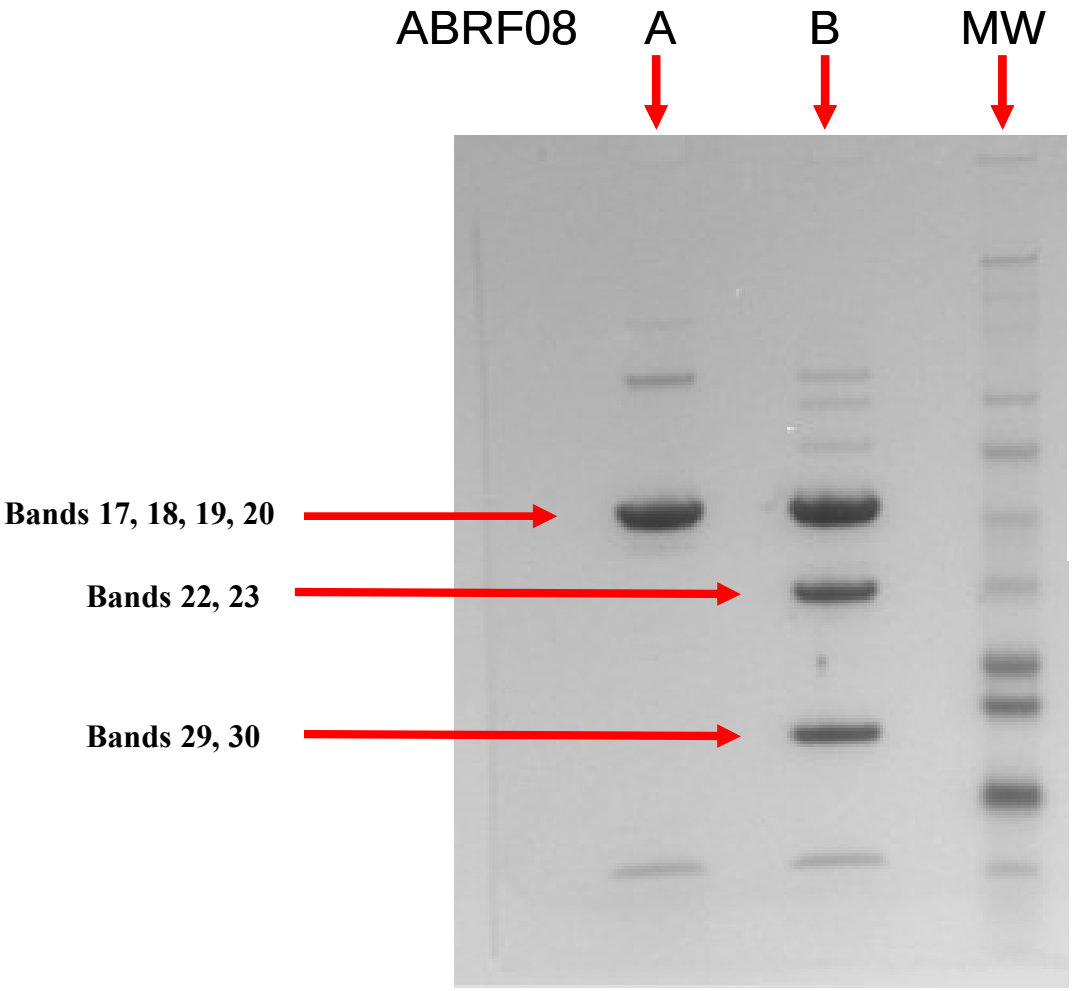
Method for ID 27406

1. Dissolved the samples A (85 µg) and B (10 µg) in loading buffers. Ran 1D SDS PAGE loading the samples A and B in two separate lanes;

2. Excised the each lane into 40 bands (see the gel image below)



3. Digested the gel bands with trypsin and run them on LC/MS/MS on LTQ Orbitrap XL.

4. Searched the data against SwissProt database using MASCOT.

5. Search results are given below.

ABRF08_B_Band_17.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Nominal mass (M_r): **43118**; Calculated pI value: **5.83**

Taxonomy: Homo sapiens; Sequence Coverage: **57%**

Matched peptides shown in **Bold Red**

```
   1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
  51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
 101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
 151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
 201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
 251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
 301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
 351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
 401 TGGP
```

ABRF08_B_Band_18.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **51%**

Matched peptides shown in **Bold Red**

```
   1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
  51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
 101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
 151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
 201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
 251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
 301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
 351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
 401 TGGP
```

ABRF08_B_Band_19.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **65%**

Matched peptides shown in **Bold Red**

```
   1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
  51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
 101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
 151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
 201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
 251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
 301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
 351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
 401 TGGP
```

ABRF08_B_Band_20.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **57%**

Matched peptides shown in **Bold Red**

```
  1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
 51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
401 TGGP
```

ABRF08_B_Band_22.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **52%**

Matched peptides shown in **Bold Red**

```
  1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
 51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
401 TGGP
```

ABRF08_B_Band_23.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **50%**

Matched peptides shown in **Bold Red**

```
  1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
 51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
401 TGGP
```

ABRF08_B_Band_29.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens
; Sequence Coverage: **29%**

Matched peptides shown in **Bold Red**

```
  1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
 51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
401 TGGP
```

ABRF08_B_Band_30.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **38%**

Matched peptides shown in **Bold Red**

```
  1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
 51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
401 TGGP
```

ABRF08_A_Band_17.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **45%**

Matched peptides shown in **Bold Red**

```
  1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
 51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
401 TGGP
```

ABRF08_A_Band_18.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **52%**

Matched peptides shown in **Bold Red**

```
  1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
 51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
401 TGGP
```

ABRF08_A_Band_19.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **62%**

Matched peptides shown in **Bold Red**

```
  1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
 51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
401 TGGP
```

ABRF08_A_Band_20.RAW

Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products) - Homo sapiens (Human)

Taxonomy: Homo sapiens; Sequence Coverage: **43%**

Matched peptides shown in **Bold Red**

```
  1 MAAGTAVGAW VLVLSLWGAV VGAQNITARI GEPLVLKCKG APKKPPQRLE
 51 WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ
101 AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY
151 PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG
201 DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA
251 PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS
301 CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALALGILGG
351 LGTAALLIGV ILWQRRQRRG EERKAPENQE EEEERAELNQ SEEPEAGESS
401 TGGP
```