

## Product datasheet for **TP303212M**

### SRP14 (NM\_003134) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human signal recognition particle 14kDa (homologous Alu RNA binding protein) (SRP14), 100 µg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC203212 representing NM_003134<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MVLLESEQFLTELTRLFQKCRITSGSVYITLKKYDGRTPKIPKKGTVVEGFEPADNKCLLRATDGKKKISTV<br>VSSKEVNKFQMAYSNLLRANMDGLKRRDKKNKTKKTKAAAAAAAAAPAAAATAPTTAATTAATAAQ<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 14.4 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| RefSeq:                               | <a href="#">NP_003125</a>  |
| Locus ID:                             | 6727   |
| UniProt ID:                           | <a href="#">P37108</a>   |
| RefSeq Size:                          | 800  |



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Cytogenetics: 15q15.1

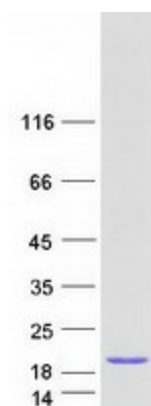
RefSeq ORF: 408

Synonyms: ALURBP

**Summary:** Signal-recognition-particle assembly has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. SRP9 together with SRP14 and the Alu portion of the SRP RNA, constitutes the elongation arrest domain of SRP. The complex of SRP9 and SRP14 is required for SRP RNA binding.[UniProtKB/Swiss-Prot Function]

**Protein Pathways:** Protein export

### Product images:



Coomassie blue staining of purified SRP14 protein (Cat# [TP303212]). The protein was produced from HEK293T cells transfected with SRP14 cDNA clone (Cat# [RC203212]) using MegaTran 2.0 (Cat# [TT210002]).