

## Product datasheet for **TP721077**

### SEMA4B (NM\_198925) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Human sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B (SEMA4B), transcript variant 2   |
| Species:                              | Human   |
| Expression Host:                      | HEK293  |
| Expression cDNA Clone or AA Sequence: | Leu39-Glu712  |
| Tag:                                  | C-Fc&His  |
| Predicted MW:                         | 102 kDa   |
| Concentration:                        | lot specific  |
| Purity:                               | >95% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.   |
| Endotoxin:                            | Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)   |
| Reconstitution Method:                | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage:                              | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.   |
| Stability:                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.   |
| RefSeq:                               | <a href="#">NP_945119</a>   |
| Locus ID:                             | 10509   |
| UniProt ID:                           | <a href="#">Q9NPR2</a>  |
| RefSeq Size:                          | 3780  |
| Cytogenetics:                         | 15q26.1   |



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|                   |  |
|-------------------|--|
| RefSeq ORF:       | 2511   |
| Synonyms:         | SEMAC; SemC  |
| Summary:          | Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons.[UniProtKB/Swiss-Prot Function] |
| Protein Families: | Transmembrane  |
| Protein Pathways: | Axon guidance  |