

## Product datasheet for **TP761981**

### Plexin A4 (PLXNA4) (NM\_181775) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Human plexin A4 (PLXNA4), transcript variant 2, full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | A DNA sequence encoding full-length of PLXNA4   |
| Tag:                                  | N-GST and C-His   |
| Predicted MW:                         | 86 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, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol  |
| 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_861440</a>   |
| Locus ID:                             | 91584   |
| UniProt ID:                           | <a href="#">Q9HCM2</a>  |
| RefSeq Size:                          | 2020  |
| Cytogenetics:                         | 7q32.3  |
| RefSeq ORF:                           | 1566  |
| Synonyms:                             | FAYV2820; PLEXA4; PLXNA4A; PLXNA4B; PRO34003  |



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**Summary:**

Coreceptor for SEMA3A. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance in the developing nervous system. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:**

Druggable Genome

**Product images:**