

## Product datasheet for TP317521L

### C1orf80 (AIDA) (NM\_022831) Human Recombinant Protein

#### Product data:

|                                       |                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                           |
| Description:                          | Recombinant protein of human axin interactor, dorsalization associated (AIDA), 1 mg                                                                                                                                                                                                                                            |
| Species:                              | Human                                                                                                                                                                                                                                                                                                                          |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                        |
| Expression cDNA Clone or AA Sequence: | >RC217521 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                                                                                                                                                                                                                                                   |
|                                       | MSEVTRSLLRWGASFRRGADFDSWGQLVEAIDEYQILARHLQKEAQAQHNNSEFTEEQKKTIGKIATCL<br>ELRSAALQSTQSQEEFKLEDLKKLEPILKNILTYNKEFPFDVQPVPLRRILAPGEEENLEFEEDDEEGGA<br>GAGSPDSFPARVPGTLLPRLPSEPGMTLLTIRIEKIGLKDAGQCIDPYITVSVKDLNGIDLTPVQDTPVA<br>SRKEDTYVHFNVDELQKHVEKLTGAAIFFEFKHYKPKKRFTSTKCFAMMEMDEIKPGPIVELYKKPT<br>DFKRKKLQLLTKKPLYLHLHQTLHKE |
|                                       | <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>                                                                                                                                                                                                                                                                                         |
| Tag:                                  | C-Myc/DDK                                                                                                                                                                                                                                                                                                                      |
| Predicted MW:                         | 34.8 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:                               | <u><a href="#">NP_073742</a></u>                                                                                                                                                                                                                                                                                               |
| Locus ID:                             | 64853                                                                                                                                                                                                                                                                                                                          |



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UniProt ID: [Q96BJ3](#)

RefSeq Size: 3020

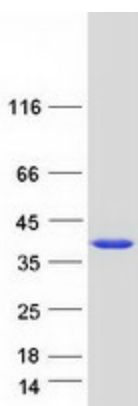
Cytogenetics: 1q41

RefSeq ORF: 918

Synonyms: C1orf80

**Summary:** Acts as a ventralizing factor during embryogenesis. Inhibits axin-mediated JNK activation by binding axin and disrupting axin homodimerization. This in turn antagonizes a Wnt/beta-catenin-independent dorsalization pathway activated by AXIN/JNK-signaling (By similarity). [UniProtKB/Swiss-Prot Function]

## Product images:



Coomassie blue staining of purified AIDA protein (Cat# [TP317521]). The protein was produced from HEK293T cells transfected with AIDA cDNA clone (Cat# [RC217521]) using MegaTran 2.0 (Cat# [TT210002]).