

## Product datasheet for **TP310658L**

### **DCTN3 (NM\_007234) Human Recombinant Protein**

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human dynactin 3 (p22) (DCTN3), transcript variant 1, 1 mg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC210658 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | MAGLTDLQRLQARVEELERWVYGGGARGSRKVADGLVKVQVALGNISSKRERVKILYKKIEDLIKYLDP<br>EYIDRIAIPDASKLQFILAEQFILSQVALLEQVNALVPMMLDSAHIKAVPEHAARLQRLAQIHIQQDQC<br>VEITEESKALLEEYNKTTMLLSKQFVQWDELLCQLEAATQVKPAEE |
|                                       | <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>   |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 20.9 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_009165</a>  |
| Locus ID:                             | 11258  |
| UniProt ID:                           | <a href="#">O75935</a>   |
| RefSeq Size:                          | 857  |



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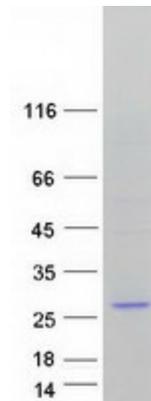
Cytogenetics: 9p13.3

RefSeq ORF: 558

Synonyms: DCTN-22; DCTN22

**Summary:** This gene encodes the smallest subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, cytokinesis, chromosome movement, nuclear positioning, and axonogenesis. This subunit, like most other dynactin subunits, exists only as a part of the dynactin complex. It is primarily an alpha-helical protein with very little coiled coil, and binds directly to the largest subunit (p150) of dynactin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

### Product images:



Coomassie blue staining of purified DCTN3 protein (Cat# [TP310658]). The protein was produced from HEK293T cells transfected with DCTN3 cDNA clone (Cat# [RC210658]) using MegaTran 2.0 (Cat# [TT210002]).