

## Product datasheet for **TP310658**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dynactin 3 (p22) (DCTN3), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210658 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MAGLTDLQRLQARVEELERWVYGPGGARGSRKVADGLVKVQVALGNISSKRERVKILYKKIEDLIKYLDP EYIDRIAIPDASKLQFILAEQFILSQVALLEQVNALVPMLDSAHIKAVPEHAARLQRLAQIHIQQDQC 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:	<u><a href="#">NP_009165</a></u>
Locus ID:	11258
UniProt ID:	<u><a href="#">O75935</a></u>
RefSeq Size:	857



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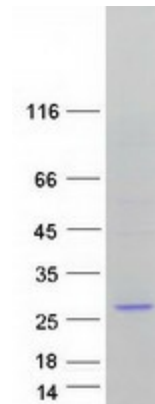
**Cytogenetics:** 9p13.3

**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]).