

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
Red=Cloning site **Green**=Tags(s)

MAGLTDLQRLQARVEELERWVYGGARGSRKVADGLVKVQVALGNISSKRERVKILYKKIEDLIKYLDP
EYIDRIAIPDASKLQFILAEQFILSQVALLEQVNALVPMMLDSAHIKAVPEHAARLQRLAQIHIQQDQC
VEITEESKALLEEYNKTTMLLSKQFVQWDELLCQLEAATQVKPAEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: [NP_009165](#)

Locus ID: 11258

UniProt ID: [O75935](#)

RefSeq Size: 857



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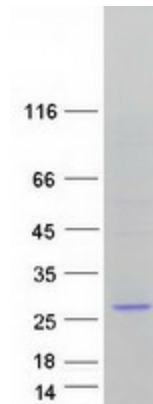
Cytogenetics: 9p13.3

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]).