

Recombinant Human DCTN3 Protein, GST-tagged

Cat. No. DCTN3-2413H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DCTN3 full-length ORF (AAH00319, 1 a.a. - 176 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	44.88 kDa
AA Sequence	MAGLTDLQRLQARVEELERWVYGPGGARGSRKVADGLVKVQVALGNISSKRERVKI LYKKIEDLIKYLDPYIDRIAIPDASKLQFILAEQFILSQVALLEQVNALVPMLDSAHIK AVPEHAARLQRLAQIHIQQAPWGVGVRDEAGSLVEDVGFAQFLSVLHFGPTGPVC GNH
Applications	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

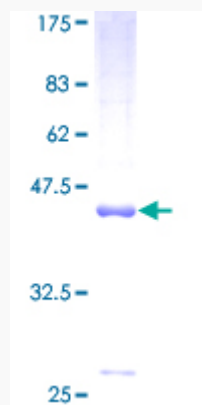
GENE INFORMATION

Gene Name	DCTN3 dynactin 3 (p22) [Homo sapiens]
Official Symbol	DCTN3
Synonyms	DCTN3; dynactin 3 (p22); dynactin subunit 3; DCTN 22; p22; dynactin light chain; dynactin 3, isoform 1; dynactin complex subunit 22 kDa subunit; DCTN22; DCTN-22; MGC111190;
Gene ID	11258
mRNA Refseq	NM_007234
Protein Refseq	NP_009165
MIM	607387
UniProt ID	O75935

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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