Recombinant Human DCTN2, His-tagged

Cat. No. DCTN2-26061TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 132-406 of Human Dynamitin with N terminas His tag, 275aa, 35kDa,
Species	Human
Source	E.coli
ProteinLength	132-406 a.a.
Description	This gene encodes a 50-kD subunit of dynactin, a macromolecular complex consisting of 10-11 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, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 4-5 copies per dynactin molecule. It contains three short alpha-helical coiled-coil domains that may mediate association with self or other dynactin subunits. It may interact directly with the largest subunit (p150) of dynactin and may affix p150 in place.
Conjugation	HIS
Form	Lyophilised:reconstitution with 52 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SATEEKLTPVLLAKQLAALKQQLVASHLEKLLGPDAAINL TDPDGALAKRLLLQLEAT KNSKGGSGGKTTGTPPDSSL VTYELHSRPEQDKFSQAAKVAELEKRLTELETAVRC DQ DAQNPLSAGLQGACLMETVELLQAKVSALDLAVLDQVEAR LQSVLGKVNEIAKH KASVEDADTQSKVHQLYETIQRWS PIASTLPELVQRLVTIKQLHEQAMQFGQLLTHL DTTQQ MIANSLKDNTTLLTQVQTTMRENLATVEGNFASIDERM KKLGK

GENE INFORMATION

Gene Name	DCTN2 dynactin 2 (p50) [Homo sapiens]
Official Symbol	DCTN2
Synonyms	DCTN2; dynactin 2 (p50); dynactin subunit 2; DCTN 50; RBP50;
Gene ID	10540
mRNA Refseq	NM_006400
Protein Refseq	NP_006391
MIM	607376
Uniprot ID	Q13561
Chromosome Location	12q13.3
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Huntingtons

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
Function	motor activity; protein binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA