



Recombinant Human Dynactin subunit 2 (DCTN2)

Product Code	CSB-EP614427HU-B
Abbreviation	DCTN2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q13561
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ADPKYADLP GIARNEPDVY ETSDLPEDDQ AEFDAAEELTS TSVEHIIVNP NAAYDKFKDK RVGTKGLDFS DRIGKTKRTG YESGEYEMLG EGLGVKETPQ QKYQRLLHEV QELTTEVEKI KTTVKESATE EKLTPVLLAK QLAALKQQLV ASHLEKLLGP DAAINLTDPD GALAKRLLLQ LEATKNSKGG SGGKTTGTPP DSSLVTYELH SRPEQDKFSQ AAKVAELEKR LLELETAVRC DQDAQNPLSA GLQGACLMET VELLQAKVSA LDLAVLQDQVE ARLQSVLGKV NEIAKHKASV EDADTQSKVH QLYETIQRWS PIASTLPELV QRLVTIKQLH EQAMQFGQLL THLDTTQQMI ANSLKDNTTL LTQVQTTMRE NLATVEGNFA SIDERMKKLG K
Source	E.coli
Target Names	DCTN2
Protein Names	Recommended name: Dynactin subunit 2 Alternative name(s): 50 kDa dynein-associated polypeptide Dynactin complex 50 kDa subunit Short name= DCTN-50 p50 dynamitin
Expression Region	2-401
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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