

Product datasheet for **AR51270PU-N**

Dynactin subunit 2 (1-403, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Dynactin subunit 2 (1-403, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMADPKYA DLPGIARNEP DVYETSDLPE DDQAEFDAEL EELTSTSVEH IIVNPNAAYD KFKDKRVGTK GLDFSDRIGK TKRTGYESGE YEMLGEGGLV KETPQQKYQR LLHEVQELTT EVEKIKTTVK ESATEEKLTP VLLAKQLAAL KQQLVASHLE KLLGPDAAIN LTDPDGALAK RLLLQLEATK NSKGGSGGKT TGTPPDSSLV TYELHSRPEQ DKFSQAAKVA ELEKRLTELE TAVRCDQDAQ NPLSAGLQGA CLMETVELLQ AKVSALDLAV LDQVEARLQS VLGKVNEIAK HKASVEDADT QSKVHQLYET IQRWSPIAST LPELVQRLVT IKQLHEQAMQ FGQLLTHLDT TQQMIANSLK DNTTLLTQVQ TTMRENLATV EGNFASIDER MKKLGK
Tag:	His-tag
Predicted MW:	46.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DCTN2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001248341
Locus ID:	10540
UniProt ID:	Q13561



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Cytogenetics: 12q13.3

Synonyms: DCTN50; DYNAMITIN; HEL-S-77; RBP50

Summary: 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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2012]

Protein Pathways: Huntington's disease

Product images:

