

Product datasheet for **AR51310PU-S**

Dynactin subunit 2 (1-406, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Dynactin subunit 2 (1-406, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMADPKYA DLPGIARNEP DVYETSDLPE DDQAEFDFAFA QEELELTSTS VEHIIVNPNA AYDKFKDKRV GTKGLDFSDR IGKTKRTGYE SGEYEMLGEG LGVKETPQQK YQROLLHEVQE LTTEVEKIKT TVKESATEEK LTPVLLAKQL AALKQQLVAS HLEKLLGPDA AINLTDPDGA LAKRLLQLLE ATKNSKGGSG GKTTGTTPDS SLVTYELHSR PEQDKFSQAA KVAELEKRLT ELETAVRCDQ DAQNPLSAGL QGACLMETVE LLQAKVSALD LAVLDQVEAR LQSVLGKVN IAKHKASVED ADTQSKVHQL YETIQRWSP IASTLPELVQR LVTIKQLHEQ AMQFGQLLTH LDTTQQMIAN SLKDNTLLT QVQTTMREN L ATVEGNFASI DERMKKLKLG
Tag:	His-tag
Predicted MW:	47.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl (pH 8.0) containing 20% glycerol, 0.15M NaCl, 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
Cytogenetics:	12q13.3



[View online »](#)

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:

