

## Product datasheet for **AR51310PU-N**

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

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Dynactin subunit 2 (1-406, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSSLVPRGSH MGSMADPKYA DLPGIARNEP DVYETSDLPE DDQAEFDFAFA QELEELTSTS VEHIIVNPNA AYDKFKDKRV GTKGLDFSDR IGKTKRTGYE SGEYEMLGEG LGVKETPQQK YQROLLHEVQE LTTEVEKIKT TVKESATEEK LTPVLLAKQL AALKQQLVAS HLEKLLGPDA AINLTDPDGA LAKRLLQLLE ATKNSKGGSG GKTTGTPPDS SLVTYELHSR PEQDKFSQAA KVAELEKRLT ELETAVRCDQ DAQNPLSAGL QGACLMETVE LLQAKVSALD LAVLDQVEAR LQSVLGKVNE IAKHKASVED ADTQSKVHQL YETIQRWSPi ASTLPELVQR LVTIKQLHEQ AMQFGQLLTH LDTTQQMIAN SLKDNTLLT QVQTTMRENL ATVEGNFASI DERMKKLKLG
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	47.2 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	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
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human DCTN2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001248341</a>
<b>Locus ID:</b>	10540
<b>UniProt ID:</b>	<a href="#">Q13561</a>
<b>Cytogenetics:</b>	12q13.3



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**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:**

