Recombinant Human dynactin 6, His-tagged

Cat. No. DCTN6-609H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DCTN6, 1-190aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-190 a.a.
Description	DCTN6 contains an RGD (Arg-Gly-Asp) motif in the N-terminal region, which confers adhesive properties to macromolecular proteins like fibronectin. It shares a high degree of sequence similarity with the mouse homolog, which has been suggested to play a role in mitochondrial biogenesis. The exact biological function of this gene is not known. Recombinant human DCTN6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol
Molecular Mass	23.1kDa (213aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEKTQK SVKIAPGAVV CVESEIRGDV TIGPRTVIHP KARIIAEAGP IVIGEGNLIE EQALIINAYP DNITPDTEDP EPKPMIIGTN NVFEVGCYSQ AMKMGDNNVI ESKAYVGRNV ILTSGCIIGA CCNLNTFEVI PENTVIYGAD CLRRVQTERP QPQTLQLDFL MKILPNYHHL KKTMKGSSTP VKN
Purity	>85% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	DCTN6 dynactin 6 [Homo sapiens]
Official Symbol	DCTN6
Synonyms	DCTN6; dynactin 6; dynactin subunit 6; WS 3; protein WS-3; dynactin subunit p27; novel RGD-containing protein; WS3; p27; WS-3;
Gene ID	10671
mRNA Refseq	NM_006571
Protein Refseq	NP_006562
MIM	612963
UniProt ID	O00399
Chromosome Location	8p12-p11
Pathway	Vasopressin-regulated water reabsorption, organism-specific biosystem; Vasopressin-regulated water reabsorption, conserved biosystem;
Function	dynein binding; transferase activity;

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