Recombinant Full Length Human DYNLL1 Protein, GST-tagged

Cat. No. DYNLL1-4155HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DYNLL1 full-length ORF (NP_003737.1, 1 a.a. - 89 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	89 amino acids
Description	Cytoplasmic dyneins are large enzyme complexes with a molecular mass of about 1,200 kD. They contain two force-producing heads formed primarily from dynein heavy chains, and stalks linking the heads to a basal domain, which contains a varying number of accessory intermediate chains. The complex is involved in intracellular transport and motility. The protein described in this record is a light chain and exists as part of this complex but also physically interacts with and inhibits the activity of neuronal nitric oxide synthase. Binding of this protein destabilizes the neuronal nitric oxide synthase dimer, a conformation necessary for activity, and it may regulate numerous biologic processes through its effects on nitric oxide synthase activity. Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]
Molecular Mass	36.8 kDa
AA Sequence	MCDRKAVIKNADMSEEMQQDSVECATQALEKYNIEKDIAAHIKKEFDKKYNPTWHCI VGRNFGSYVTHETKHFIYFYLGQVAILLFKSG

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DYNLL1 dynein, light chain, LC8-type 1 [Homo sapiens]
Official Symbol	DYNLL1
Synonyms	DYNLL1; dynein, light chain, LC8-type 1; DNCL1, dynein, cytoplasmic, light polypeptide 1; dynein light chain 1, cytoplasmic; DLC1; DLC8; hdlc1; LC8; PIN; 8 kDa dynein light chain; cytoplasmic dynein light polypeptide; dynein, cytoplasmic, light polypeptide 1; protein inhibitor of neuronal nitric oxide synthase; LC8a; DNCL1; DNCLC1; MGC126137; MGC126138;
Gene ID	8655
mRNA Refseq	NM_001037494
Protein Refseq	NP_001032583
MIM	601562

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UniProt ID	P63167

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