

Product datasheet for PH318752

DYNLL1 (NM_003746) Human Mass Spec Standard

Product data:

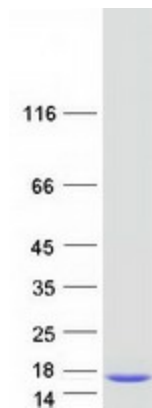
Product Type:	Mass Spec Standards
Description:	DYNLL1 MS Standard C13 and N15-labeled recombinant protein (NP_003737)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218752
Predicted MW:	10.4 kDa
Protein Sequence:	>RC218752 protein sequence Red =Cloning site Green =Tags(s) MCDRKAVIKNADMSEEMQQDSVECATQALEKYNIEKDIAAHIKKEFDKKYNPTWHCIVGRNFGSYVTHET KHFIYFYLGQVAILLFKSG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003737
RefSeq Size:	733
RefSeq ORF:	267
Synonyms:	DLC1; DLC8; DNCL1; DNCLC1; hdlc1; LC8; LC8a; PIN
Locus ID:	8655
UniProt ID:	P63167 , Q6FGH9
Cytogenetics:	12q24.31



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Summary:

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]

Product images:

Coomassie blue staining of purified DYNLL1 protein (Cat# [TP318752]). The protein was produced from HEK293T cells transfected with DYNLL1 cDNA clone (Cat# [RC218752]) using MegaTran 2.0 (Cat# [TT210002]).