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Datasheet for ABIN7318389 **DYNLL1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	DYNLL1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DYNLL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human DYNLL1 Protein (His Tag)
Sequence:	Met 1-Gly89
Characteristics:	Recombinant Human Cytoplasmic Dynein Light Chain 1 is produced by our E.coli expression system and the target gene encoding Met1-Gly89 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	DYNLL1
Alternative Name:	DYNLL1 (DYNLL1 Products)
Background:	Background: Human Dynein Cytoplasmic Light Chain 1 (DYNLL1) has been identified as a protein that interacts with NOS1, leading to NOS1 inhibition. NOS1 dimer is destabilized after

Target Details

binding DYNLL1 a conformation necessary activity, and it regulate numerous biologic processes through its effects on nitric oxide synthase activity. DYNLL1 is widely expressed, with higher expression in testis and moderate expression in brain.

Synonym: Dynein Light Chain 1 Cytoplasmic, 8 kDa Dynein Light Chain, DLC8, Dynein Light Chain LC8-Type 1, Protein Inhibitor of Neuronal Nitric Oxide Synthase, PIN, DYNLL1, DLC1, DNCL1, DNCLC1, HDLC1

Molecular Weight: 12.5 kDa

UniProt: [P63167](#)

Pathways: [M Phase](#), [Tube Formation](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 200 mM NaCl, 1 mM DTT, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.