Product Name: Recombinant Human DYNLL1 (N-6His)
Catalog #: PEH1328

Summary

Name	PIN/DYNLL1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P63167
Host	E.coli
Species	Human
Predicted Molecular Mass	12.5 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Histidine-HCl, 10% Trehalose, 0.05% Tween 80, pH6.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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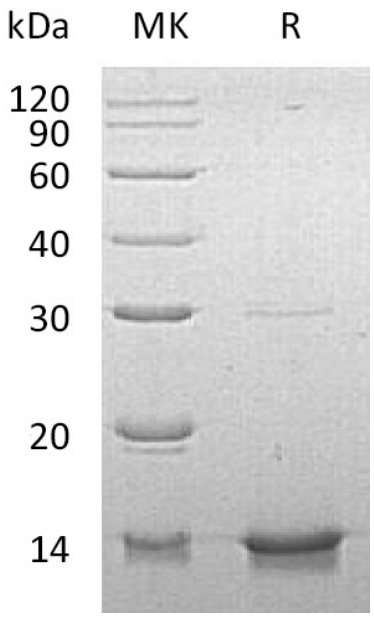

Alternative Names

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

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

Note

For Research Use Only , Not for Diagnostic Use.