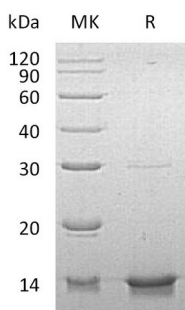


## Summary

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

## SDS-PAGE image



## Background

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



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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.