

## DYNLL1 Human

**Description:** DYNLL1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 109 amino acids (1-89a.a.) and having a molecular mass of 12.5kDa. The DYNLL1 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-269

For research use only.

**Synonyms:** PIN, DLC1, DLC8, DNCL1, DNCLC1, Dynein Light Chain LC8-type 1, Dynein Cytoplasmic Light polypeptide 1, Protein Inhibitor of Neuronal Nitric Oxide Synthase

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MCDRKAVIKN ADMSEEMQQD  
SVECATQALE KYNIEKDIAA HIKKEFDKKY NPTWHCIVGR NFGSYVTHET KHFIYFYLQ  
VAILLFKSG

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

The DYNLL1 protein solution (1mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0) 0.2M NaCl, 1mM DTT and 10% glycerol.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

DYNLL1 is a protein that cooperates with NOS1 causing NOS1 inhibition. Binding of DYNLL1 weakens NOS1 (Neuronal nitric oxide synthase) dimer, a conformation needed for activity, and it regulates several biologic processes through its effects on nitric oxide synthase activity. DYNLL1 is a ubiquitously expressed protein that demonstrates high expression in testis and moderate expression in brain.

**Storage:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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