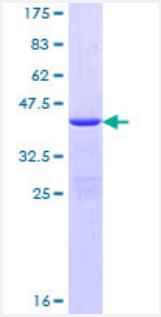
Full-Length

# DYNLL1 (Human) Recombinant Protein (P01)

Catalog # H00008655-P01 Size 25 ug, 10 ug

## Applications




## Specification

| | |
|---|---|
| **Product Description** | Human DYNLL1 full-length ORF ( NP_003737.1, 1 a.a. - 89 a.a.) recombinant protein with GST-tag a t N-terminal. |
| **Sequence** | MCDRKAVIKNADMSEEMQQDSVECATQALEKYNIEKDIAAHIKKEFDKKYNPTWHCIVGRNFGSY VTHETKHFIYFYLGQVAILLFKSG |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 36.8 |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| **Note** | Best use within three months from the date of receipt of this protein. |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — DYNLL1

| | |
|---|---|
| **Entrez GeneID** | 8655 |
| **GeneBank Accession#** | NM_003746.2 |
| **Protein Accession#** | NP_003737.1 |
| **Gene Name** | DYNLL1 |
| **Gene Alias** | DLC1, DLC8, DNCL1, DNCLC1, LC8, LC8a, MGC126137, MGC126138, PIN, hdlc1 |
| **Gene Description** | dynein, light chain, LC8-type 1 |
| **Omim ID** | 601562 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Cytoplasmic dyneins are large enzyme complexes with a molecular mass of about 1,200 kD. The y 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 i s a light chain and exists as part of this complex but also physically interacts with and inhibits the a ctivity of neuronal nitric oxide synthase. Binding of this protein destabilizes the neuronal nitric oxid e synthase dimer, a conformation necessary for activity, and it may regulate numerous biologic pr ocesses through its effects on nitric oxide synthase activity. Alternate transcriptional splice variant s have been characterized. [provided by RefSeq |
| **Other Designations** | 8 kDa dynein light chain\|cytoplasmic dynein light polypeptide\|dynein light chain 1\|dynein, cytoplas mic, light polypeptide 1\|protein inhibitor of neuronal nitric oxide synthase |

## Disease

- Tobacco Use Disorder