



Recombinant Protein Technical Manual

Recombinant Human DYNLL1 Protein (His Tag)

RPES1999

Product Data:

Product SKU: RPES1999

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P63167

Protein Information:

Molecular Mass: 12.5 kDa

AP Molecular Mass: 14 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

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

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

Application:

Synonyms: 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

Immunogen Information:

Sequence: Met 1-Gly89

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.