Recombinant human PIN/DYNLL1 protein

Catalog Number: ATGP0744

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-89aa

UniProt No.
P63167

NCBI Accession No.
NP_003737.1

Alternative Names
Dynein light chain 1 cytoplasmic, DLC1, DLC8, DNCL1, DNCLC1, hdlc1, LC8, LC8a, MGC126137, MGC126138, PIN, 8 kDa dynein light chain, Dynein light chain LC8-type 1, Protein inhibitor of neuronal nitric oxide synthase

PRODUCT SPECIFICATION

Molecular Weight
12.5 kDa (109aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 1mM DTT, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
DYNLL1, also known as DLC8 or PIN (protein inhibitor of neuronal nitric oxide synthase), has been identified as a protein that interacts with NOS1 resulting in NOS1 inhibition. Binding of this protein destabilizes NOS1 (Neuronal nitric oxide synthase) dimer, a conformation necessary for activity, and it may regulate numerous biologic processes through its effects on nitric oxide synthase activity. DYNLL1 is a ubiquitously expressed protein that exhibits high expression in testis and moderate expression in brain. Recombinant human DYNLL1 protein, fused

Recombinant human PIN/DYNLL1 protein

Catalog Number: ATGP0744

to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

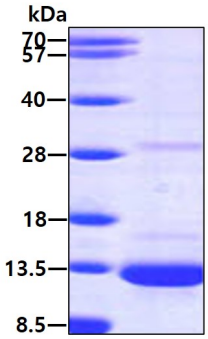
<MGSSHHHHHH SSGLVPRGSH> MCDRKAVIKN ADMSEEMQQD SVECATQALE KYNIEKDIAA HIKKEFDKKY NPTWHCIVGR NFGSYVTHET KHFIYFYLGQ VAILLFKSG

General References

Nakano H., et al. (2010) J Biol Chem. 285(14):10841-9.
Kubota T., et al. (2009) J Virol. 83(13):6952-6.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.