

Recombinant human UNC119B protein

Catalog Number: ATGP1398

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-251aa

UniProt No.

A6NIH7

NCBI Accession No.

NP_001074002

Alternative Names

Protein unc-119 homolog B, POC7B, unc-119 lipid binding chaperone B, POC7 centriolar protein homolog B

PRODUCT SPECIFICATION

Molecular Weight

30.3 kDa (271aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

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

uNC119B (Protein unc-119 homolog B) belongs to the PDE6D/unc-119 family. This protein is enriched in the photoreceptors of the retina. It shares strong homology with the *C. elegans* unc119 protein and it can functionally complement the *C. elegans* unc119 mutation gene. The mammalian multisubunit photoreceptor cGMP phosphodiesterase PDE alpha beta gamma 2 (PDE6 family) is a peripherally membrane-associated enzyme. Recombinant human uNC119B protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

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Amino acid Sequence

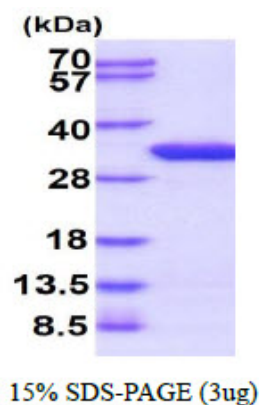
<MGSSHHHHHH SSGLVPRGSH> MSGSNPKAAA AASAAGPGGL VAGKEEKKA GGGVLNRLKA RRQAPHHAAD
DVGAAVTEQ ELLALDTIRP EHLRLSRVT ENYLCKPEDN IYSIDFTRFK IRDLETGTVL FEIAKPCVSD QEEDEEEGGG
DVDISAGRFV RYQFTPAFLR LRTVGATVEF TVGDKPVSNF RMIERHYFRE HLLKNFDFDF GFCIPSSRNT CEHIYFPQL
SEDVIRLMIE NPYETRSDSF YFVDNKLIMH NKADYAYNGG Q

General References

Li N, et al. (1998) Genomics. 49(1):76-82.
Ota T., et al. (2004) Nat. Genet. 36:40-45

DATA

SDS-PAGE



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