

UNC119B, 1-251aa, Human, His tag, E.coli

Cat.NO.: TP04429

3th Edition

Synonyms:Protein unc-119 homolog B, POC7B

Description:UCN119B (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.

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

Molecular Weight:30.3kDa (271aa), confirmed by MALDI-TOF

Sequences:

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MGSSHHHHHHSSGLVPRGSHMSGSNPKAAAAASAAGPGGLVAGKEEKKKAGGGVLNRLKARRQAPHHAADDGV  
GAAVTEQELLALDITRPEHVLRLSRVTENYLCKPEDNIYSIDFTRFKIRDLETGTVLFEIAKPCVSDQEEDEEEGGGD  
VDISAGRFVRYQFTPAFLRLRTVGATVEFTVGDKPVSNFRMIERHYFREHLLKNFDFDFGFCIPSSRNTCEHIYEFP  
QLSEDVIRLMIENPYETRSDSFYFVDNKLIMHNKADYAYNGGQ
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Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.