# Recombinant Human Unc-119 Homolog B (C. elegans), His-tagged

**Cat. No.** UNC119B-1398H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human UNC119B protein, fused to His-tag atN-terminus, was expressed in E. coli andpurified by using conventional chromatography techniques. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | UNC119Bbelongs to the PDE6D/unc-119 family. This protein is enrichedin the photoreceptors of the retina. It shares strong homology with the C.elegans unc119 protein and it can functionally complement the C. elegansunc119 mutation gene. The mammalian multisubunitphotoreceptor cGMP phosphodiesterase PDE alpha beta gamma 2 (PDE6 family) isa peripherally membrane-associated enzyme. |
| **Form** | Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl. |
| **Molecular Weight** | 30.3 kDa(271aa), confirmed by MALDI-TOF. |
| **Purity** | > 90%by SDS-PAGE |
| **Concentration** | 0.5mg/ml(determined by Bradford assay) |
| **Sequences of aminoacids** | MGSSHHHHHHSSGLVPRGSH MSGSNPKAAA AASAAGPGGL VAGKEEKKKA GGGVLNRLKA RRQAPHHAADDGVGAAVTEQ ELLALDTIRP EHVLRLSRVT |

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| | ENYLCKPEDN IYSIDFTRFK IRDLETGTVL FEIAKPCVSDQEEDEEEGGG DVDISAGRFV RYQFTPAFLR LRTVGATVEF TVGDKPVSNF RMIERHYFRE HLLKNFDFDFGFCIPSSRNT CEHIYEFPQL SEDVIRLMIE NPYETRSDSF YFVDNKLIMH NKADYAYNGG Q |
| **Storage** | Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles. |
| **OfficialSymbol** | UNC119B |

## GENE INFORMATION

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| **Gene Name** | UNC119Bunc-119 homolog B (C. elegans) [ Homo sapiens ] |
| **Synonyms** | UNC119B; unc-119 homolog B (C. elegans); POC7B;MGC5139; protein unc-119 homolog B; OTTHUMP00000240401;POC7 centriolar protein homolog B; Protein unc-119 homolog B; unc119 (C. elegans) homolog B; POC7centriolar protein homolog B(Chlamydomonas); POC7 centriolar protein homologB; unc119 homolog B |
| **Gene ID** | 84747 |
| **mRNA Refseq** | NM_001080533 |
| **Protein Refseq** | NP_001074002 |
| **UniProt ID** | A6NIH7 |
| **Chromosome Location** | 12q24.31 |

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