

## Product datasheet for **RG219902**

### UNC119B (NM\_001080533) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UNC119B (NM_001080533) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UNC119B
Synonyms:	POC7B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219902 representing NM_001080533 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCGGGTCTAACCCGAAGGCTGCGGCCGCGCGTCCGCGGCTGGGCCGGGGGGCTGGTGGCTGGCA  
AGGAGGAGAAGAAGAAGGCGGGCGGGCGTCTGAACCGCCTGAAGGCGCGCGGCAGGCGCCCCACCA  
CGCGGCCGACGACGGCGTCGGGGCAGCGGTCACGGAGCAGGAGCTGCTGGCGCTGGACACCATCCGGCCC  
GAGCACGTCCTGCGCCTCAGCCGGGTACCGAGAATTATTTATGTAAACCCGAAGACAACATCTACAGTA  
TTGATTTACCCGCTTCAAAATTCGAGATTTGGAGACAGGACAGTACTTTTGGAGATTGCCAAACCTTG  
CGTTTCAGACCAGGAGGAGGATGAGGAGGAGGAGGTGGAGACGTGGACATCAGCGCAGGACGTTTTGTC  
CGCTATCAGTTACACCGGCATTTCTCCGCCTCCGGACAGTCGGGGCTACGGTGGAGTTCACAGTGGGAG  
ACAAACCTGTTTCAAACTTCCGGATGATCGAACGGCACTATTTCCGGGAACACTTGCTGAAAACTTTGA  
CTTTGATTTTGGCTTCTGCATCCCCAGCAGTAGGAACACTTGTAACATATCTATGAGTTTCCCCAGCTT  
TCGGAGGATGTCATTGCTCTAATGATTGAAAATCCTTACGAGACCCGCTCTGACAGCTTCTACTTTGTG  
ACAACAAGCTGATAATGCACAACAAGGCTGATTATGCCTATAATGGAGGCCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG219902 representing NM\_001080533  
 Red=Cloning site Green=Tags(s)

MSGSNPKAAAAASAAGPGLVAGKEEKKKAGGGVLNRLKARRQAPHHAADDGVGAAVTEQELLALDTIRP  
 EHVLRLSRVTENYLCKPEDNIYSIDFTRFKIRDLETGTVLFEIAKPCVSDQEEDDEEGGDVDISAGRFV  
 RYQFTPAFLRLRTVGATVEFTVGDKPVSNFRMIERHYFREHLLKNFDFGFCIPSSRNTCEHIYEFPQL  
 SEDVIRLMIENPYETRSDSFYFVDNKLIMHNKADYAYNGGQ

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001080533

**ORF Size:** 753 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001080533.3](#)

**RefSeq Size:** 4811 bp

**RefSeq ORF:** 756 bp

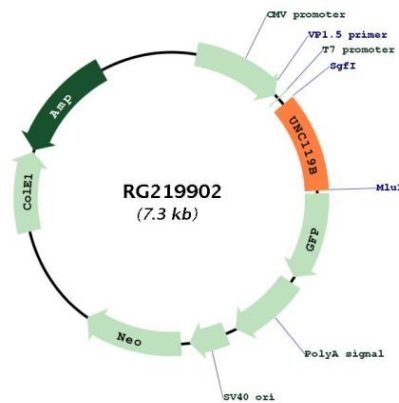
**Locus ID:** 84747

**UniProt ID:** [A6NIH7](#)

**Cytogenetics:** 12q24.31

**Gene Summary:** Myristoyl-binding protein that acts as a cargo adapter: specifically binds the myristoyl moiety of a subset of N-terminally myristoylated proteins and is required for their localization. Binds myristoylated NPHP3 and plays a key role in localization of NPHP3 to the primary cilium membrane. Does not bind all myristoylated proteins. Probably plays a role in trafficking proteins in photoreceptor cells.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG219902