

## Product datasheet for **MG203201**

### Unc119b (NM\_175352) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Unc119b (NM_175352) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Unc119b
Synonyms:	AA407659; AI414892
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203201 representing NM_175352 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGAGCGGGTCGAACCCGAAGGCTGCGACTGCGGGTTCGAGGCTGGGCCGCGGGCTGGTGGCTGGCA  
 AGGAGGAGAAGAAGAAGGCCGGCGGGCGTCTGAACCGGCTCAAGGCGCGACGCCAGGGGCCCCACA  
 CACGCCGACGACGGCTCCGGGGCGCGTCACGGAGCAGGAGCTGCTGGCCCTGGACACGATCCGCCCC  
 GAGCACGTCCTACGCCTCAACCGGGTACCGAGAACTACCTGTGTAAACCTGAAGACAATGTCTACAGTA  
 TCGACTTTACCGCTTCAAGATTCGAGATCTGGAGACGGGACAGTTCTCTTTGAGATTGCAAGCCGTG  
 CATCTCAGACCAAGACCAGGATGCGGAGGAGAGCGTCGACGTGGATATCAGTGTGGGCCGTTTCGTT  
 CGATATCAGTTACACCGGCGTTTCTTCGCTCCGGACCGTTGGTGCCACGGTAGAGTTCACTGTGGGTG  
 ACAGGCCAGTGACAGTTTCCGGATGATCGAGCGGCACTACTCCGGGAGCGGCTGCTGAAGACCTTTGA  
 CTTTGATTTTGGCTTCTGCATCCCTAGCAGCAGAAACACGTGTGAGCACATCTACGAGTTCCCGCAGCTC  
 TCCGAGGACGTCATTGCTCTGATGATTGAAAATCCCTATGAGACGCGCTCCGACAGCTTCTACTTTGTTG  
 ACAACAAGCTGGTGATGCACAACAAGGCGGACTATGCCTATAATGGAGGCCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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**Protein Sequence:** >MG203201 representing NM\_175352  
Red=Cloning site Green=Tags(s)

MSGSNPKAATAGSQAGPGLVAGKEEKKKAGGGVLNRLKARRQGPHTPDDGSGAAVTEQELLALDTIRP  
EHLRLNRVTENYLCKPEDNVYSIDFTRFKIRDLETGTVLFEIAKPCISDQDQDAEEESVDVDISVGRFV  
RYQFTPAFLRLRTVGATVEFTVGDPRVTGFRMIERHYFRERLLKTFDFDFGFCIPSSRNTCEHIYEPQL  
SEDVIRLMIENPYETRSDSFYFVDNKLVMHNKADYAYNGGQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175352

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_175352.4](#), [NP\\_780561.1](#)

**RefSeq Size:** 3643 bp

**RefSeq ORF:** 756 bp

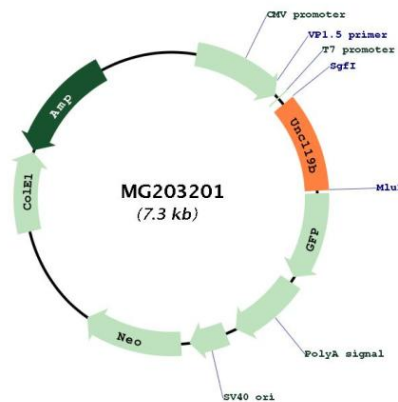
**Locus ID:** 106840

**UniProt ID:** [Q8C4B4](#)

**Cytogenetics:** 5 F

**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 (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG203201