

Product datasheet for **MR202960**

Unc119 (NM_011676) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc119 (NM_011676) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Unc119
Synonyms:	D11Bhm52; HRG; HRG4; MRG; MRG4; Rg; Rg4; Rtg; Rtg4; UNC11; Unc119h
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202960 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGTGAAGAAAGCGGGCGGGACCGGGTCTGGGGCGGAGCCCGTTCCAGGGGCCTCGAACC
GCGCGGAGCCACGCGGGAGCCTGGGGCGGAAGCTGAGTCCGGTCCGAGTCGGAGCCGGAGCCAGGCC
GGGGCCAGGCTGGGGCCGCTGCAGGGCAAGCAGCCATCGGGCCGAGGATGTGCTGGGGCTGCAGCG
ATCAGGGTGACTACCTGTGCTCCCTGAGGAAAATATCTACAAGATTGACTTCGTCAAGTTCAAGATCC
GTGACATGGACTCAGGGACTGTCTTTTTGAAATCAAGAAGCCCTGTTTCGGAACGGTTGCCCATCAA
CCGGCGGGACCTGGACCCAATGCAGGGCGCTTTGTTTCGCTACCGATTACACCTGCCTTCTCCGCCTA
AGGCAGGTGGGAGCCACGGTGGAGTTCACAGTGGGAGACAAGCCGGTCAACAACCTCCGCATGATCGAGA
GGCACTACTTTGAAACCAGCTCCTCAAAGCTTCGACTTCCACTTTGGCTTCTGCATCCCAGCAGCAA
GAACACCTGTGAGCACATCTATGACTTCCTCCTCTCCGAGGAGCTAATCAGTGAGATGATTCGTAC
CCGTATGAGACCCAGTCTGACAGCTTCTACTTCGTGGATGACCGGCTGGTATGCATAACAAAGCAGACT
ATTCCTACAGTGGGACACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202960 protein sequence
 Red=Cloning site Green=Tags(s)

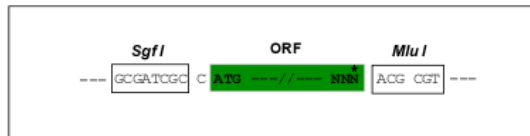
MKVKKGGGGTGSGAEPVPGASNRSAPETREPGAEAESGSESEPEPGPGPRLGPLQKQPIGPEDVLGLQR
 ITGDYLCSPENIYKIDFVRFKIRDMSGTVLFEIKKPPVSERLPINRRDLDPNAGRFRVRYQFTPAFLRL
 RQVGATVEFTVGDKPVNNFRMIERHYFRNQLLKSFDHFGFCIPSSKNTCEHIYDFPPLSEELISEMIRH
 PYETQSDSFYFVDDRLVMHMKADYSYSGTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011676

ORF Size: 723 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_011676.3](#)

RefSeq Size: 1319 bp

RefSeq ORF: 723 bp

Locus ID: 22248

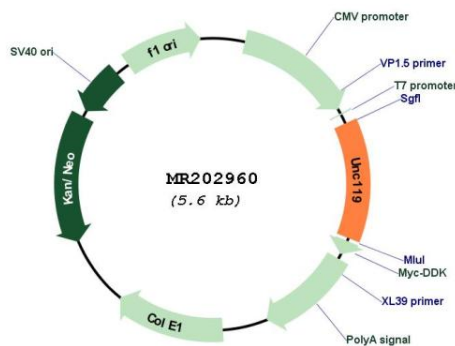
UniProt ID: [Q9Z2R6](#)

Cytogenetics: 11 46.74 cM

MW: 27 kDa

Gene Summary: The protein encoded by this gene is multifunctional, affecting trafficking of transducin in rod photoreceptors, interacting with src-type tyrosine kinases through SH2 and SH3 interacting domains, and aiding the uptake of bacteria through endocytosis. In addition, the encoded protein acts as a lipid-binding chaperone to help localize some myristoylated proteins correctly. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR202960