

Product datasheet for **MG205815**

1110039B18Rik (BC022602) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1110039B18Rik (BC022602) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1110039B18Rik
Synonyms:	1110039B18Rik; 4921530J21Rik; AI841294; AU018742; C76280
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205815 representing BC022602 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGATTGGCCCCAAGGACTTCTTCCCCCTTCTGGACTTTGCCTATATGCCCAACAATTCCTGAGCCCCA
 GCCTGCAGGAGCAGCTGTGCCAGCTCTTCCCCGATTGAAGGTGCTGGCATTGGGGCCAAGCCGGAATC
 TTCCCTGCACACCTACTTCCCGTCATTCTGTCCAGAGCCACCCCTAGCTGTCTGCTGCCATGAAGAAA
 GAGCTCCTGGCCAGCCTGACCCAGTGCCTGACTGTGGACCCCTTAGCACTAGTGTCTGGAGACAGCTGT
 ACCCCAAGCATCTGTACAGTCCAGCCTGCTGCTGGAGCACCTACTCAAGTCTGGGAGCACATCCCCAA
 GAAGGCACGAAATCTTTACAAGAAACCATCCAGTCCCTTGAAGGTTACCAACCAGGAGCTTCTGAAGAAG
 GGCAGTGGTGGCAGTGAGCATGTTCTCACCTGTGACACAGCCTGCAAGGGCTTGTGCAACGGGCACGGG
 GTCCTCGGCCACCCTGGGCCCGGCTATTCTGTGCTTCTGGTCTTTGCAGTAGGATTCTATGTATGA
 CTTGCGGTCAAACAGCTCTTTGAGGCCTCCCTCACTGGCCGGCTGCTTCGATCCTCCGGTCTTTGCCT
 GTTGGCCAGCAAGTGTGTGCGAGACTCTCTCTACAGCCTGCAGAGCTACAAGTGGCTGCAGGAGACCT
 TGCCAGCCTGTGGCTCCACCTGCTTGTGTGGTACAGCCAGTCTGCAGCTGGCCTGGACACACATCTA
 TGCCATATTCAGCTTCTTTCTGCCACTGTGCCTCTACCTTGCTGCTTCAGTGATAGCTGGCTGGC
 TTCTTTAGAGGGTCCAGCTCCCTGAGGCCCTGCAGCAGCTCTTCCAGCCTTGAAGGAAGTCTGCTGC
 TCTTCTGCCATAGCGTGTGCTGCCACATGGCACTTGCTGCTTGCAAGCCTGGCCCAAGTCCAGGAGCA
 TTGCCATGAGGCCTGCAGAGGGGACGTGACCTGGGACTGCATTAAGACACAGTTGAGCAGAGCTGCCAA
 TGGACCTGGCTCTGCCTGCAGGATGTCACAGTGCTTTCTGGACTGGGCACTCACCATGATATCCAGC
 AA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG205815 representing BC022602
 Red=Cloning site Green=Tags(s)

MIGPKDFFPLLDFAYPNNLSLSPSLQEQLCQLFPRLKVLAFGAKPESSLHTYFSPFLSRATPSCPAAMKK
 ELLASLTQCLTVDP LSTSVWRQLYPKHL SQSSLLLEHLLKSWEHIPKKARKSLQETIQSLKVTNQELLKK
 GSGGSEHVL TCDTACKGLLQRARGPRPPWARLFLLLLVFAVGFLCHDLRSNSSLQASLTGRLLRSSGLLP
 VGQQVCARLSSYSLSYNWLQETLPACGSHLLAVVQPSQLAWTHIYAIFSFLSAHCASYLACFSDSLAG
 FFQRVQLPEALQQLFHALKELLLFCHSVLLPTWHLLAALAQQVEHCHEACRGDVTWDCIKTQLSRAAQ
 TWLCLQDVTVAFLDWALTMISQQ

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC022602

ORF Size: 1122 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: BC022602, AAH22602

RefSeq Size: 1918 bp

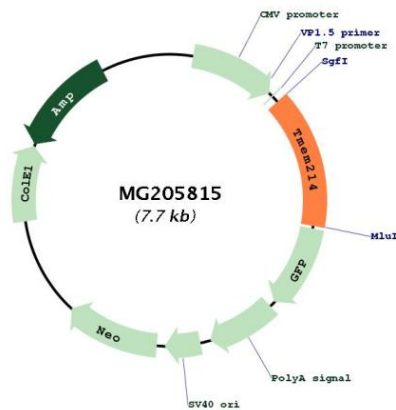
RefSeq ORF: 1124 bp

Locus ID: 68796

Cytogenetics: 5 B1

Gene Summary: Critical mediator, in cooperation with CASP4, of endoplasmic reticulum-stress induced apoptosis. Required for the activation of CASP4 following endoplasmic reticulum stress (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205815