

Product datasheet for **MG202567**

C330007P06Rik (BC021479) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C330007P06Rik (BC021479) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: C330007P06Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202567 representing BC021479
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGAAAGTCGTGTCGCGGTGCGTGGTCTGCTCAGACACCCGGGACCGCGAGGAATATGATGATGGCG
 AGAAGCCCCTCCATGTCTACTACTGTTTATGTGGCCAGATGGTCCTGGTCTGGATTGCCAGTTAGAGAA
 ATTGCCCATGAGGCCCGGGACCGGTCTCGCGTGATCGATGCTGCCAAACATGCTCACAAGTTTTGTAAC
 ACAGAAGATGAGGAGACTACTTATCTTCGGAGGCTGAGGGCATTGAACGTCAGTACAGGAAGAAGTGTG
 CAAAGTGTGGACTGCCGCTCTTCTACCAATCCCAGCCGAAAGATGCTCCTGTGACCTTCATTGTGGATGG
 AGCAGTAGTGAAATTTGGCCAAGGCTTTGGGAAAACCAATATATATACTCAGAAACAAGAGCCTCCTAAG
 AAGGTTATGATGACCAAAAGGACTAAAGACATGGGCAAGTTCAGCTCTGTTACTGTGTCTACCATGATG
 AAGAAGAAGAGGAGATAGAGGCTAGGGAAGTTGCTGACTCTTACGCGCAGAATGCCAAAGTGATTGAAAA
 GCAGCTGGAGCGCAAAGGCATGAGCAAGAGGAGGCTGCAGGAGTTGGCTGAATTGGAAGCCAAGAAAGCA
 AAAATGAAGGGGACCCTGATCGACAATCAGTTCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202567 representing BC021479
 Red=Cloning site Green=Tags(s)

MPKVVSRSVVCSDTRDREYDDGEKPLHVYYCLCGQMVLVLDQCLEKLPMPRDRSRVIDAAKHAHKFCN
 TEDEETTYLRRPEGIERQYRKKAACGLPLFYQSQPKNAPVTFIVDGAVVKFGQGFGKNTIYTQKQEPK
 KVMMTKRTKDMGKFSSVTVSTIDEEEEIEAREVADSYAQNAKVIEKQLERKGMKRRLLQELAELEAKKA
 KMKGTLIDNQFK

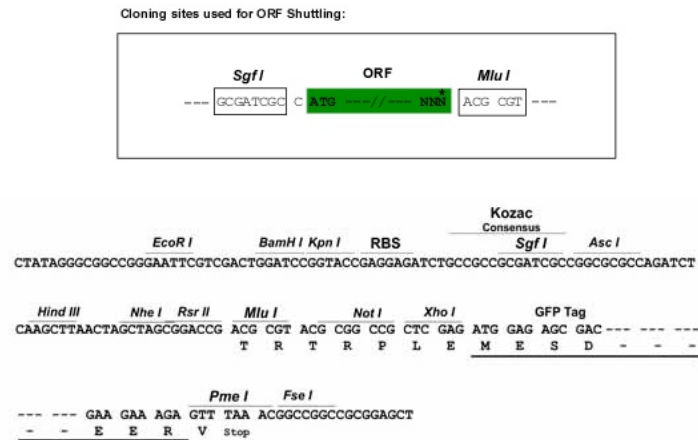
TRTRPLE - GFP Tag - V



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC021479

ORF Size: 666 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: [BC021479](#), [AAH21479](#)

RefSeq Size: 2924 bp

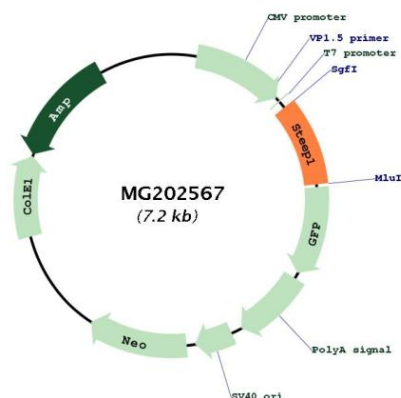
RefSeq ORF: 668 bp

Locus ID: 77644

Cytogenetics: X A3.3

Gene Summary: Stimulates membrane curvature formation and subsequent endoplasmic reticulum exit site (ERES) establishment by recruiting PI3K complex I, leading to COPII vesicle-mediated transport (By similarity). Promotes endoplasmic reticulum (ER) exit of cGAMP-activated STING1 oligomers (PubMed:32690950).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202567