

Product datasheet for **MG206713**

9630058J23Rik (BC034107) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	9630058J23Rik (BC034107) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	9630058J23Rik
Synonyms:	MGC31547
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206713 representing BC034107 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGAAGAGGCGAGTGGGGACAGAAGCAGCAGCCAAAGAGCCAGAGATTGAAACCTGTCCAGCACGG
ATCCAAGTGGAGACCGGCATGAGGAGGAGCCCCAGGAGAGCAGCCCCGGCTGTCATCAGATGGAGTGGCA
GACAGCTTCCCCGAGCTTCCAGGGACTGCAGGAAAGGACCACACGGAGGAGCTGCCAGCAGCACCAAT
GCCACACTGGACCTCCACACCCAGTCCCTGGAGACAGCCGGGAGCAGGTACGGGCCAGCTGCTGCCTCGA
ATGCCTGCAAAGACAGCAGCTGCGTGCCGGCGCCTCCACAGAGGACCACTGCGGTGTGGCCAGAGACCC
TAAGGTGGCTCCTCTAGTGAATCAGTGGCAGAGCAGAAGCTCTCCACCGGCGACGACGGTGCCTGCCT
GGGTTGATTTAGAGGGTAAATATTCACAGGCACACCGAAAAGAACTCTGCCTTCTCTGCAGGACGCAT
TTGAAGCGCTGCCAGGGACCAGCCTCACAGCAGTGAGGTAGCTGAGCCGCGGCAGCCTGATGTCACGGC
CAGTGATGGGAAATCAGCACAGAGTCAGGCTGGCTTGAGACTGGTCTGAGAGTGCCTCTGTGGTGAC
AGGAAAGCCTGTGACGTAAGCACACTGTGTCTGGAAGTGTGTATGGCCCCAGAAGAAAGCGGGACAGTG
AAGACCGAGTGAGTAAGGAAACGGAAGACTATCTGCACAGCCTTTTGAGAGATGCTTGAAGGATGCTGA
AGATTCCCTGTCTACGAGGACATCCAGGACGACGACTCTGACCTCCTCAAGACCTCTCTCCTGAAGAA
GCGTCCTACAGTCTCCAGGAGGATCTGCCTCCTGACGAGACGCTCTCCCTTGATGATCTGGCCAAGA
AGATAGAGATCGCAGAGGCCATTCTGCAGAAGGGCTGGTGTCCATACTGAAGAAGAGGAATGACACAGT
AGGCAGCCATCCTGCACAGATGCAGCAGAAGCCGGCTAAGCGCAGAGTGCATTCCAGGAAATAGACGAC
AACCTGGAGCAAGATGAGGTTGGTGGTGGTTCCTGCATCCTGCTCATCTTGCTGTGCATAGCCACTGTCT
TCCTCAGTGTTGGAGGAACTGCACTCTACTGCACCCTGGGCAACATTGAGTCACCTGTTTGCACGGACTT
TGCCGACAACGTGGACTTCTATTACACTAAGCTGCTGCAGGGGTGGCAGGGCTGAAACACTGGGTCTAC
CTCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206713 representing BC034107
 Red=Cloning site Green=Tags(s)

MSEEAVGTEAAAKEPEIETCPSTDPGDRHEEEPQESSPGCHQMEWQTASPELPGTAGKDHEELPSSTN
 ATLDLHTQSLETAGSRSGPAAASNACKDSSCVPAPPTDHCGVARDPKVAPPSESVAEQKLSTGDDGALP
 GLISEGKYSQAHRKELCLPLQDAFEALPRDQPHSSEVAEPQPDVTASDGKSAQSQAGLETGPESALCGD
 RKACDVSTLCLEVCMAPPEERRDSEDRVSKETEDYLHSLLERCLKDAEDSLSYEDIQDDSDLLQDLSPEE
 ASYSLQEDLPPDESTLSLDDLAKKIEIAEAIPAEGLVSIKKRNDTVGSHPAQMQQKPAKRRVRFQEIDD
 NLEQDEVGGGSCILLILLCIATVFLSVGGTALYCTLGNIESPVCTDFADNVDFYYTKLLQGVAGLKHVVY
 LS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC034107

ORF Size: 1266 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: [BC034107.1](#)

RefSeq Size: 3579 bp

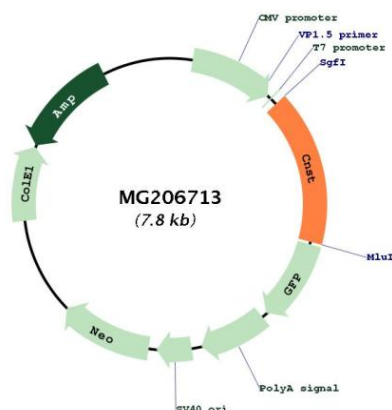
RefSeq ORF: 1268 bp

Locus ID: 226744

Cytogenetics: 1 H4

Gene Summary: Required for targeting of connexins to the plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206713