

Product datasheet for **MG214040**

1700013F07Rik (NM_029314) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1700013F07Rik (NM_029314) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 1700013F07Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG214040 representing NM_029314
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCAGCCTCAGGAACTTTCTCGAACCTGCCTTACGCGACGAAGACAAACATTTGGGAAATCTGT
GGGCTTCTAAGAAATCGCTGTATAAGAACCAGCTCACCTTGCGCAACAGCAGGATCCCTGGAGTCGGCT
CAGCTCAACCCACAGCCACGTCAGAGTCCAGACACCTTTTTGATTCTAAGATACCAAGGATGAC
CTGGACTCCGCTTAGCAACCTTGATAACCACCACACTGGGGCATTCAAGAACAAAAGTGGATATTTGT
TACACCAGGAGACCATTGAGGATATCCAGGGAACCAAGATCCAGTTTCCGGAGAATGTTTCCACGCTCC
TTCAGCCCCATTACTTCCCGACCACCATCAGGCACTGGATCAACCCTAAGAAAGAGTCCATCCATAGC
ATTCAGGGATCCATAGTGTCTCCTCACACTGCGGCCACCAATGGAGTTACTCCCGAAAAATGATGGTG
GCTTCTTCTCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214040 representing NM_029314
Red=Cloning site Green=Tags(s)

MLQPQETFSNPALRDEDKHLGNLWASKKSLYKNPAHLAQQDPWSRLSSTPTATSRSDTFFDSKIPKDD
LDFRLATLYNHHTGAFKNKTEILLHQETIEDIQGTKIQFPGECFHAPSAPITSRTTIRHWINPKKESIHS
IQGSIVSPHTAATNGGYSRKNDDGGFFST

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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:	<u>NM_029314.1, NP_083590.1</u>
RefSeq Size:	592 bp
RefSeq ORF:	507 bp
Locus ID:	75504
UniProt ID:	<u>Q9DAD0</u>
Cytogenetics:	3 F3
Gene Summary:	May play an important role for the maintenance of myelin-axon integrity (PubMed:31199454). May affect intracellular Ca(2+) homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]