

Product datasheet for **MG222777**

2310061I04Rik (NM_001033630) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 2310061I04Rik (NM_001033630) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 2310061I04Rik
Synonyms: RP24-180B11.5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222777 representing NM_001033630
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACCGTCCGAGCCCGGGGGCCCGCCGGCGCCTCGGGCCCTGCCTCCGCGCCTACCAGGCGGACCCC
 AGGACCAGCTCTCCTCGACCTCTACCATTCCCCCGCTCTGGCCCACTCCACTCCACCAGCTTCTCC
 ATCTTTTCTCCTCACCAGGTCCTACCACCTCACATCCTCTACCCACCATCTTCCCAGGCTCTCCA
 CCACCTCTCTCAGGCCAGGCTCTCAACTCATTGAGTATGGTTCTTCTCCGAGAAAGAGGGAGAAGG
 GACCAGGACCGGAACACACAGTGGTTGCCTGGATGGGCTTAGGAGCCTTTTTGAGGGACCGCTTGCCC
 CTATCCTGGGGCTGTGATACCTTTCCAAGCCCCTGGACCTTCCCACTCTTCCCCACCACTCCATCAGGA
 GATGAGAGTATGGAGAACACCTGGCTGTCATGCATGAGAGACTAAGACAAGAGCTTCCCACCTCTTCC
 TTCGCTCCCATGACTACACTATATATCAATGGATGTGGAATTCATCAATGAGATCCTGAACATTCGTAC
 CAAGGGCCGGACATTTTATGTTATGTCCCTGACCCTTTGCCGCTTCTGGTTTGGAACTATTTTGCACAG
 TTTTCGTTGGAGATTTTACAGCTGACCCGCCACCTGAGAAGTGGACCTGCAAGCCCGCTGGCGTCTAA
 TAGGCTGCCCCATACATATGCTCTTCTGCGTTTCTACAGGCGTGATAAAGAGGATCTTTACCGACCTT
 CGATGCCTTTTCCACCTTCTACCTGAATCCAGTGGCCTCATCTGTCGCCATCACCTGGACAAGCTGATG
 CCTTCACTCACCGTCGACGCTGTGAAAAGCTGCTGGTGGGAGCCCTGGTGGCCCTGGGGCTGTCAG
 AACCAGAGCCAGCTTACACCTGTGCTCCAAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222777 representing NM_001033630
 Red=Cloning site Green=Tags(s)

MYRPSGAARRLGPCLRAYQARPQDQLSPRPLPFPPPLWPHSTPPTSPSPFPPHRSLLPSPHPPTHLLPQAPP
 PPLSQAQALNSLSMVLPPRKREKGPPELHSGCLDGLRSLFEGPPCPYPGAVIPFQAPGPSHSSPTTPSG
 DESMEEHLAVMHERLRQELPTLFLRSHDYTIYSMDVEFINEILNIRTKGRTFYVMSLTLCRFLVWNYFAQ
 FRLEILQLTRHPENWTLQARWRLIGLPIHMLFLRFYRRDKEDLYRTFDFAFSTFYLNSSGLICRHHLDKLM
 PSHSPSTPVKLLV GAL VAL GLSEPEPSLHLSKA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033630

ORF Size: 945 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_001033630.1](#), [NP_001028802.1](#)

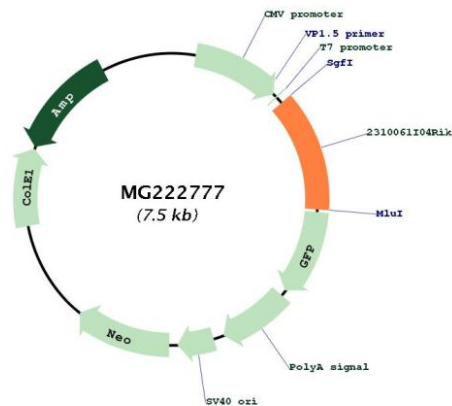
RefSeq Size: 1252 bp

RefSeq ORF: 948 bp

Locus ID: 69662

Cytogenetics: 17 B1

Product images:



Circular map for MG222777