

Product datasheet for **MG213776**

1700030J22Rik (NM_027103) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: 1700030J22Rik (NM_027103) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: 1700030J22Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG213776 representing NM_027103
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGTCTGTGAGGAAAGCGAGACTTTTTTAGAAAATACAGAAAATCAGAAAATTGAAGCTACGGAAG
 AGACCGCACCAACTTTACATTGTCCGGACGAGAAAAGTAAAAGGAGTCATGTCTGCTGCCTTCTGGTGT
 CAGCGACCTCACACTGGAAGAGGATGGGAGGGCCAGCGAGTGTCCATCAGCACCGGGTGGGAGGAAGCT
 GTCCATGGCTGGGAAGGACCTACCAACTGCCTGCATCTGGTCAAAGAAGAAAAGTAAAAGGGGAGGG
 CCAGAGAAGGCACCAATGGTGGCAACGACTGCTTGTCTGTATGAGTCTTCCCAAGGGAGTCTGGAGCC
 CCGGTCCCTCTTGAGGTTGGGAAACTGGAGGCGGGTGTGAGGCCGAGGTGAGCACCCAGAAGAGCTGG
 AGCTCTGAGAAGAACTGGAGCGGCTCTCCAGGGCCCCGGCACTGCTTCCAGAGAGCAGTCTAACAAC
 TCTGCATCCACCGACGTGCATGGAGAAAAAAGCCTGCAACTCAAGGAGTTTATCTGGTGCATGGA
 GGAGTGGCCTATGCCGAGACAGTTAGCAGCAAGGCCGGCAGGAACCCAGCGGAAGCCCCGAGCAAGGG
 CTCTCCACCCCTGACTCCCTGCAGCCAAGGCTCTTGTGGTTCTTCCCCGCTGAAAAGCTCTCCCCACA
 ACTTGGACGTCTGAGTAAGAAAAGCAGGAATATTTCTGGCAGCCGGAAGAAAAGGTGCTGAGGGTGA
 AAAAGACGATTGTATGGCTTGTGCAGATGGACTGAAAGGAGTAGACGGGAAAAGGTAAAAGACACTTT
 GAGCTGGCCAGCCACGTGAAGGTCACCAACGTACTGCCTTCCCACCCACTGCGGCCAGACCCACCTGC
 TGTGAGCCGAGTCCCAAAGGTGCTGCCTGCACTGGTCCCTCCTGCCCCAGAAAAGCACTGTGTTCCACC
 TAACCCAGCGACATCCACTACCTTGCCACCCTGCAGTTTTGGGGCAACAGGGAAGCAAGCTGCAGA
 ACTAGGCTCAAAACCAAGGACACAAAACCTCCCAGGACCACTGCCAAGCATATTATCACAGAGGCCAAGC
 AGCAAAACAGGCCCCACGTGCTAGAAAGCAAAGTCTTCCCTAAACCTCTCTTGCCATCCCTCACAGTGAG
 CAGAGTTGTCATCCCCGTCTCCACCCACAGAGTACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG213776 representing NM_027103
 Red=Cloning site Green=Tags(s)

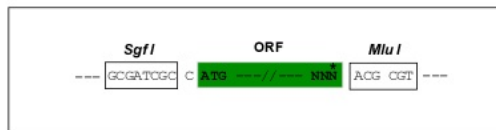
MDVCEESETFLENTENQKIEATEETAPTLCPEKDEKSERSHVCCLLGVSDLTLEEDGRASECAISTGWEEA
 VHGWGRTSPTACIWSKKVKRGRAREGTNGGNDCLFCMSLSQGSLEPRSLLEVGKLEAGAEAEVSTQKSW
 SSEKNWSGLSQGPGTASREQSNKLCIPTDVHGEKKSLLQKKEFIWCMEEWMPETVSSKAGRNPSSGSPEQG
 LSTPDSLAAKALVVLPLKSSPHNLDVLSKSRNIFWQPEEKVLRVEKDDCMACADGLKGVGDKGEKRHF
 ELASHVKVTNVLFPPTAAQTHLLSAESQRCLHWSLLPQKSTVFPPNPSDIHYLATLQVLGQQGKQSCR
 TRLRKTKDTPRRTAKHIITEAKQNRPHVLESKVFPKLLPSLTVSRVVIIPVSTHRVL

TRTRPLE - GFP Tag - V

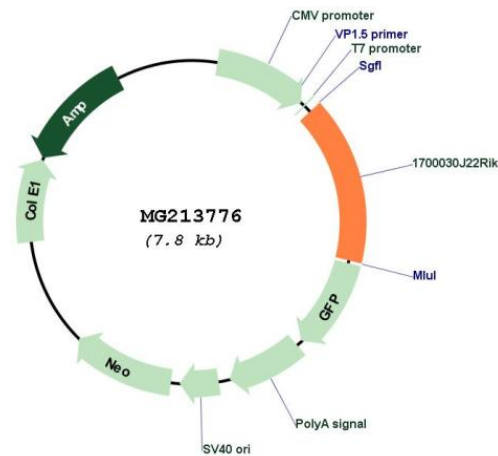
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_027103

ORF Size:	1227 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:	<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:	NM_027103.2 , NP_081379.1
RefSeq Size:	2971 bp
RefSeq ORF:	1230 bp
Locus ID:	69528
UniProt ID:	Q8BHB7
Cytogenetics:	8 E1