

Product datasheet for **MG202682**

Frg2f1 (NM_001004178) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frg2f1 (NM_001004178) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Frg2f1
Synonyms:	AA415398; MGC73851; MGC100084
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202682 representing NM_001004178 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATTCAGAAACACCCCATCCAGGCCCTTCTGTCAACTGCTGGACCTCCCCACTGGACCACAGACCA
 CCTCTGTCAGGACATTAGGATCAGAACCAAGTAAAAATGAGCAGAGGTCCAGCCAATCAGACAGCAATTC
 CAGAAAGCACACTGAAGAATCAGCTCAGATGGTGGAAACACCCAGGAAAAGAAGACGCTCTTCCAAGGAC
 TCCAGCCTGGTCAGAATAGGAAATGAGGGCAGCTTGCATGGGAAAAAGAGACACAAGACTTCAGTAAAGA
 AGACTGAGCCAAAAGCCAATGGTCACCAGGATGGATTAGCCATTGCCCAGAACCTCAGGATACAGACCC
 ACCACCCATTCGGAAGAGCCTGGTGAGCTTTCTGCGGGGGAAGTCTGAGGAGATTTATAGAGACACAGTC
 CAGATGCAGGCCCAAGCTTGGCTCCCTGCTCACCCCTGAGCAGCTCTCTCAGCTCAGACAGCTCTCAG
 AGTCTCTGACTGCCATGGTATACAGCCTTCTACAGCATGGCCAACCAGGAGGCTTTGCCTTCCCTGCTGA
 GGGCTGGCTTGTCCCAGCCCCCATGGCTGCCCCCTCAGGAGCTGTCTGGCAAGGAATCTCAGAGTCCTTTG
 ATGGAGGGAGGAGAGAAGATAACAGATCCTGCCATCCCATCAGACAAGTCC

ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA


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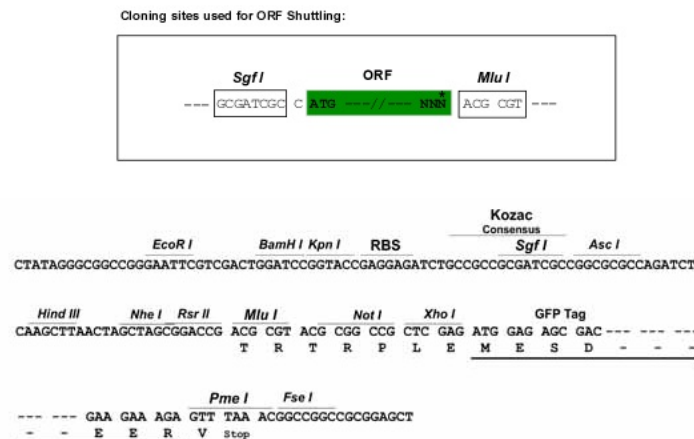
Protein Sequence: >MG202682 representing NM_001004178
 Red=Cloning site Green=Tags(s)

MDSETPHPGPSCQLLDLPTGPQTTSVRTLGSEPSKNEQRSSQSDSNSRKHTEESAQMVETPRKRRSSKD
 SSLVRIGNEGSLHGKRRHKTSVKKTEPKANGHQDGLAHCPEPQDTPPPIRKSLVSFLRGKSEEIYRDTV
 QMQAQKLGSLLTPEQLSQLRQLSESLTAMVYSLQLHGQPGGFAPAEGLVLPAPMAAPQELSGKESQSPL
 MEGGEKITDPAIPSDKS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001004178

ORF Size: 681 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: NM_001004178.1, NP_001004178.1

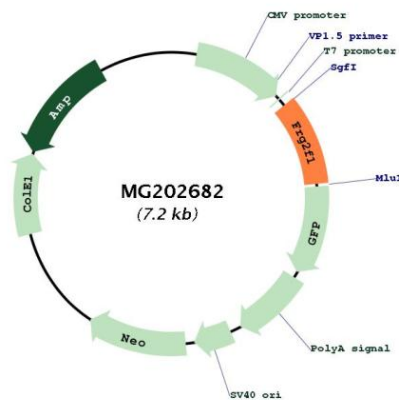
RefSeq Size: 1919 bp

RefSeq ORF: 684 bp

Locus ID: 433752

Cytogenetics: 4 D2.1

Product images:



Circular map for MG202682