

Product datasheet for **MR202682**

Frg2f1 (NM_001004178) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frg2f1 (NM_001004178) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Frg2f1
Synonyms:	AA415398; MGC73851; MGC100084
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202682 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTCAGAAACACCCCATCCAGGCCCTTCCTGTCAACTGCTGGACCTCCCCACTGGACCACAGACCA
CCTCTGTCAGGACATTAGGATCAGAACCAAGTAAAAATGAGCAGAGGTCCAGCCAATCAGACAGCAATTC
CAGAAAGCACACTGAAGAATCAGCTCAGATGGTGGAAACACCCAGGAAAAGAAGACGCTCTTCCAAGGAC
TCCAGCCTGGTCAGAATAGGAAATGAGGGCAGCTTGCATGGGAAAAAGAGACACAAGACTTCAGTAAAGA
AGACTGAGCCAAAAGCCAATGGTCACCAGGATGGATTAGCCATTGCCCAGAACCTCAGGATACAGACCC
ACCACCCATTCGGAAGAGCCTGGTGAGCTTTCTGCGGGGGAAGTCTGAGGAGATTTATAGAGACACAGTC
CAGATGCAGGCCCAGAAGCTTGGCTCCCTGCTCACCCCTGAGCAGCTCTCTCAGCTCAGACAGCTCTCAG
AGTCTCTGACTGCCATGGTATACAGCCTTCTACAGCATGGCCAACCAGGAGGCTTTGCCTTCCCTGCTGA
GGGCTGGCTTGTCCCAGCCCCATGGCTGCCCCCTCAGGAGCTGTCTGGCAAGGAATCTCAGAGTCCTTTG
ATGGAGGGAGGAGAGAAGATAACAGATCCTGCCATCCCATCAGACAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202682 protein sequence
 Red=Cloning site Green=Tags(s)

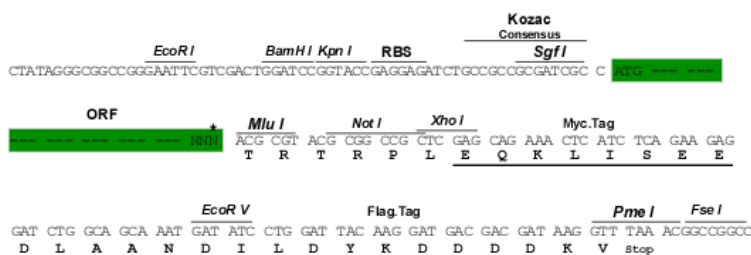
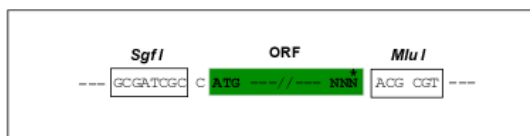
MDSETPHPGPSCQLLDLPTGPQTTSVRTLGSEPSKNEQRSSQSDSNSRKHTEESAQMVETPRKRRRSSKD
 SSLVRIGNEGSLHGKKRHKTSVKKTEPKANGHQDGLAHCEPQDTPPPIRKSLVSFLRGKSEEIYRDTV
 QMQAQLGSLLTPEQLSQLRQLSESLTAMVYSLLQHGPQGGFAFPAEGLWVPAPMAAPQELSGKESQSPL
 MEGGFKITDPAIPSPDKS

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

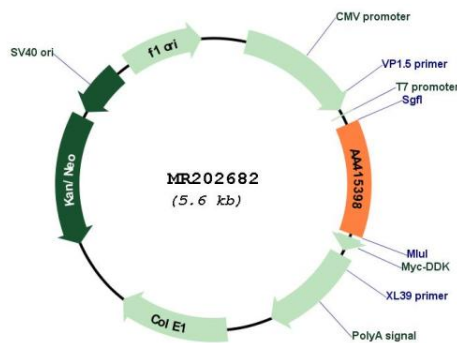
RefSeq ORF: 684 bp

Locus ID: 433752

Cytogenetics: 4 D2.1

MW: 24.8 kDa

Product images:



Circular map for MR202682