

Product datasheet for **MR203335**

Frg1 (NM_013522) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frg1 (NM_013522) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Frg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203335 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAATATTCCTATGTAAAGTCCACCAAACCTCGTGCTCAAGGGCACTAAAGCCAAGAGTAAAAAGA
AAAAGAGCAAAGATAAGAAGAGAAAACGGGAAGAAGACGAGGAGACCCAACCTTGATATTGTGGGAATCTG
GTGGACTGTATCCAACCTTGGGGAGATTCAGGAACCTATTGCCATTGAAATGGATAAAGGAGCCTATATC
CATGCACTGGACAATGGACTGTTTACACTGGGAGCTCCACACAGAGAAGTTGATGAAGGCCCCAGTCCTC
CAGAGCAGTTTACTGCTGTCAAGTTGTCTGACTCCAGAATTGCCCTGAAGTCTGGCTATGGAAAATATCT
TGGTATAAATTCAGATGGACTTGTGTTGGGCGTTCGGATGCAATTGGGCCAGAGAACAATGGGAACCA
GTGTTTCAAGATGGGAAGATGGCTTTACTGGCCTCAAATAGCTGCTTTATTAGATGTAATGAAGCAGGCG
ATATAGAAGCAAAGAATAAAACGGCAGGAGAAGAAGAAATGATAAAGATCAGATCCTGTGCGGAAAGAGA
AACCAAGAAAAGGATGACATCCCAGAAGAAGACAAGGGAAGTGTGAAGCAGTGTGAAATCAACTATGTA
AAGAAATTTAGAGCTTCCAGGACCACAACTCAAATAAGCAAAGAAGATAGTAAAATTTCTAAAAAGG
CTCGGAAAGATGGATTTTACATGAGACACTTCTGGACAGGAGGCCAAATTGAAAGCTGACCGATACTG
CAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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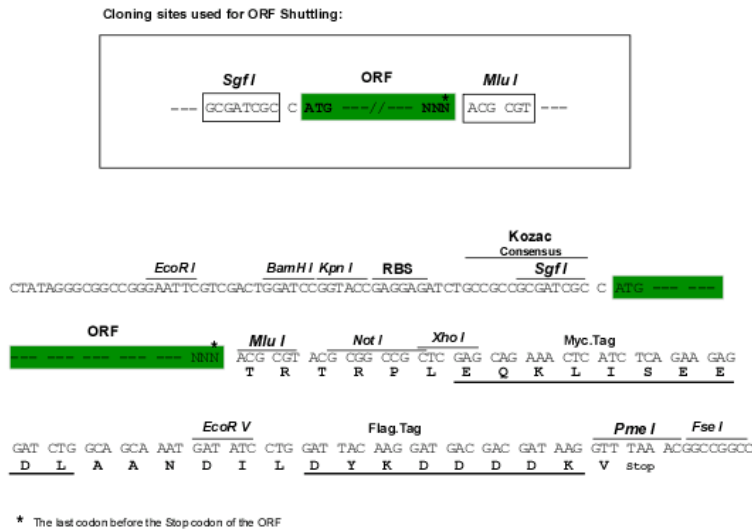
Protein Sequence: >MR203335 protein sequence
 Red=Cloning site Green=Tags(s)

MAEYSYVKSTKLVLKGTAKAKSKKKKSKDKKRKREDEETQLDIVGIWWTVSNFGEISGTIAIEMDKGAYI
 HALDNGLFTLGAPHREVDEGSPPEQFTAVKLSDSRIALKSGYGKYLGINSDGLVGRSDAIGPREQWEP
 VFQDGKMALLASNSCFIRCNEAGDIEAKNKTAGEEEMIKIRSCAERETKKKDDIPEEDKGSVKQCEINYY
 KKFQSFQDHKLKISKEDSKILKKARKDGF LHETLLDRRAK LKADRYCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013522

ORF Size: 777 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_013522.2](#)

RefSeq Size: 1106 bp

RefSeq ORF: 777 bp

Locus ID: 14300

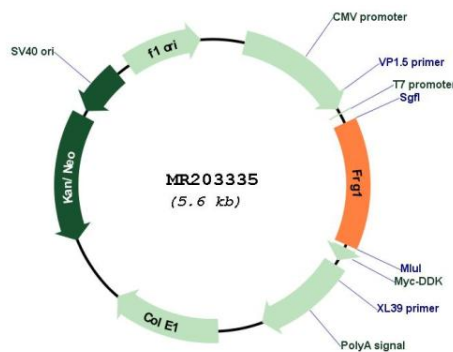
UniProt ID: [P97376](#)

Cytogenetics: 8 23.89 cM

MW: 29.1 kDa

Gene Summary: Binds to mRNA in a sequence-independent manner. May play a role in regulation of pre-mRNA splicing or in the assembly of rRNA into ribosomal subunits. May be involved in mRNA transport. May be involved in epigenetic regulation of muscle differentiation through regulation of activity of the histone-lysine N-methyltransferase KMT5B.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203335