

Product datasheet for **MR207713**

Fgb (NM_181849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgb (NM_181849) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgb
Synonyms:	2510049G14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207713 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGGCATCTATGGCTGCTGCTATTGTGTGTTTTCTCAGTTCAACTCAAGCTGCCGATGATGACT
 ACGATGAACCGACGGATAGCTTGGATGCCCGTGGTCATCGACCTGTTGACAGGAGAAAGGAAGCCTCC
 TAGCCTAAGACCTGCCCTCCTCTATCAGTGGAGGGGCTATCGAGCCCGTCCAGCCAAGGCTACTGCC
 AACCGAAGAAAGTAGAACGGAGACCCCGATGCAGGAGGCTGTCTTATGCTGACACAGACATGGGAG
 TGTTGTGCTACGGGATGTACATTGCAACAAACGTTGTTAAACCAGGAAAGGCCAATCAAGAGTAGTAT
 TGCTGAGTTAAATAACAACATACAGTCTGTTCCGATACCTCCTCAGTCACCTTTCAGTACCTGACTCTG
 CTAAGGACATGTGAAAAAGAAGCAAGCTCAAGTTAAAGAGAATGAAAAATGCATAAATGAGTACTCT
 CCATCCTGGAAGATCAGAGATTATATTGATGAGACTGTGAATGATAATATCCCCCTTAATCTTCGTGT
 GCTCCGCTCAATCCTGGAGGACCTGAGAAGCAAAATACAAAATAGAGTCTGACATCTCAGCTCAATG
 GAATACTGCCGACTCCATGCACGTGACGTCGAACATCCAGTGGTGTCTGGGAAAGAGTGTGAGGAGA
 TCATTAGGAAGGGAGGTGAGACATCCGAAATGTATCTCATCCAGCCTGACACCTCCATCAAGCCGTACAG
 AGTATACTGTGACATGAAAACAGAAAACGGAGGATGGACAGTCATACAGAACCCTCAGGATGGCAGCGTC
 GACTTTGGCAGGAAATGGGACCCATACAAAAAGGATTCGGAAATATTGCCACCAATGAAGACGCGAAGA
 AGTACTGTGGCTTGCAGGTGAATTTGGCTTGGCAATGATAAGATTAGCCAGCTCACCAGGATGGGACC
 CACAGAACTTCTCATTGAAATGGAGGACTGAAAGGAGACAAGGTGAAGGCACATTATGGAGGCTTACG
 GTACAGAACGAGGCCAGCAAATACCAAGTCTCAGTGAACAAATACAAAGGGACGGCTGGCAACGCCCTCA
 TGGACGGGGCTCTCAACTGGTGGGGGAGAACAGAACCATGACCATCCACAACGGCATGTTCTTCAGCAC
 GTACGACAGGGACAACGACGGCTGGTAACTACGGATCCAAGAAAACAGTGTCCAAAGAAGATGGTGGT
 GGCTGGTGGTATAACAGATGCCATGCAGCCAATCCAAATGGCAGATACTACTGGGGTGGCCTTTACAGCT
 GGGACATGTCCAAGCACGGCACAGATGATGGTGTGGTGGATGAACTGGAAGGGATCGTGGTACTCAAT
 GAGGAGGATGTCTATGAAGATCAGGCCCTTCTCCACAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207713 protein sequence
 Red=Cloning site Green=Tags(s)

MRHLWLLLLL CVFSVQTQAADDDYDEPTDSL DARGHRPVDRRKEPPSLRPAPPPISGGGYRARP AKATA
 NQKKVERRPPDAGGLHADTDMGVL CPTGCTLQQTLLNQERPIKSSIAELNNNIQSVSDTSSVTFQYLTL
 LKDMWKKKQAQVKENENVINEYSSILEDQRLYIDETVNDNIPLNLRVLSILEDLRSKIQLKLESDISAQM
 EYCRTPCTVSCNIPVVSKECEEIIRKGETSEMYLIQPDTSIKPYRVYCDMKTENGWWTVIQNRQDGSV
 DFRKWDVPYKKGFGNIATNEDAKKYCGLPGEYWLGNDKISQLTRMGPTLLIEMEDWKGDVKAHYGGFT
 VQNEASKYQVSVNKYGTAGNALMDGASQLVGENRTMTIHNGMFFSTYDRDNDGWVTTDPRKQCSKEDGG
 GWWYNRCHAANPNGRYYWGLYSWDMSKHGTDDGVVWMNWKGSWYSMRRMSMKIRPFFPQQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_181849

ORF Size: 1446 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_181849.3](#)
RefSeq Size: 1575 bp

RefSeq ORF: 1446 bp

Locus ID: 110135

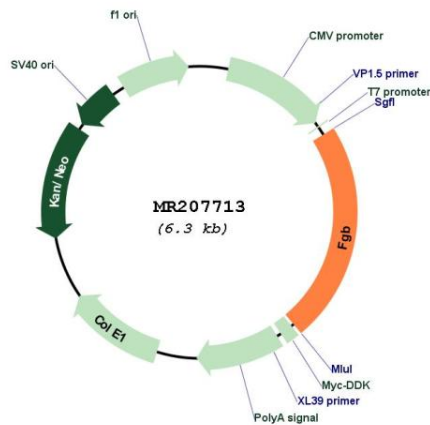
UniProt ID: [Q8K0E8](#)

Cytogenetics: 3 36.98 cM

MW: 54.8 kDa

Gene Summary: This gene encodes the beta subunit of the coagulation factor fibrinogen, which is a component of the blood clot. The encoded preproprotein is proteolytically processed by thrombin to release an N-terminal fibrinopeptide during the conversion of fibrinogen to insoluble fibrin polymer. The encoded protein interacts with the amyloid beta peptide to form fibrin clots of abnormal structure, and may play an important role in Alzheimer's disease. This gene is located adjacent to the genes encoding fibrinogen alpha and gamma subunits on chromosome 3. [provided by RefSeq, Nov 2015]

Product images:



Circular map for MR207713