

Product datasheet for **MR206950**

Fgg (NM_133862) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgg (NM_133862) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgg
Synonyms:	3010002H13Rik; AI256424
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206950 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGAGTTGGTCTTTGAGCCCCGAGTTTCCTTCTTTGCTGCCTGCTTTTACTGTCTCTCCAACGGGCC
 TGGCATATGTGGCTACCAGAGATAACTGTTGCATCCTAGATGAGAGATTGGTAGTTTCTGCCAACCCAC
 CTGTGGTATCGCAGATTTCTGTCTTCTTACCAAACCGACGTGGACAATGATCTCCGAACGCTGGAAGAC
 ATCTTATTCGGGCTGAAAAAGAACACAGAACGCAAGAACTGATCAAAGCAATTCAGGTTTACTACA
 ACCCAGACCAACCCCAAAGCCAGGTATGATAGACAGTGCCTCAGAAGTCTAAGAAGTGGTAGAAGA
 AATTGTGAAATACGAAGCGTCTGTAAACCCACGAGACAAGCATTTCGGTATTTACAGGAAATCTATAAT
 TCAAATAACCAGAAGATCACAACCTAAAACAGAAGGTAGCCAGCTTGAAGCCAGTCCAGGAGCCTT
 GCAAGGACTCTGTCAAATCCATGACACAAGTGGAAAAGATTGTCAGGAAATTGCCAACAGGGCGCCAA
 AGAAAGTGGACTTTACTTCATTCGACCTTTGAAAGCTAAGCAGCAGTTCTTAGTGTACTGTGAAATCGAC
 GGATCTGGAAATGGTTGGACCGTATTGCAGAAGAGGATTGATGGCAGTTTGGATTCAAGAAGAAGTGGAA
 TTCAGTATAAAGAAGGATTTGGACACCTGTGCGCTACTGGCACCACAGAGTTTGGCTGGGAAATGAGAA
 GATTCAATTTGATAAGCATGCAGTCCACAATCCATATGCACTGAGAATACAGCTCAAAGACTGGAATGGC
 AGAACCAGCACTGCGGACTATGCCATGTTCCAGGTGGTCCCAGTCTGACAAAACCCGCTGACCTATG
 CCTACTTCATTTGGTGGAGATGCCGGGATGCCTTCGACGGCTACGATTTCCGGCGATGACCCAGTGACAA
 GTTTTTACATCCCAACGGCATGCAGTTCAGTACCTGGGACAACGACAACGATAAGTTTGAAGGCAAC
 TGTGCGGAACAGGATGGATCCGGCTGGTGGATGAACAAATGTCACGCAGGCCACCTCAATGGAGTTTATC
 ACCAAGTGGTACTTACTCAAAATCATCTACTAATGGTTTCGACGACGGCATTATTTGGCGACCTG
 GAAAAGCCGCTGGTATTCTATGAAGGAAACCACCATGAAGATAATCCCTTCAACAGACTCTCCATCGGA
 GAAGGACAGCAGCATCAGTGGGGGATCCAAACAGGCTGGAGACGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206950 protein sequence
 Red=Cloning site Green=Tags(s)

MSWSLQPPSFLLCLLLLFSPTGLAYVATRDNCCILDERFGSFCPTTCGIADFLSSYQTDVDNDLRLTLED
 ILFRAENRTTEAKELIKAIQVYYNPDQPPKPGMIDSATQKSKMVEEIVKYEALLLTHETSIRYLQEIYN
 SNNQKITNLKQVAQLEAQCQEPCKDSVQIHDTTGKDCQEIANKGAKESGLYFIRPLKAKQQFLVYCEID
 GSGNGWTVLQKRIDGSLDFKKNWIQYKEGFGHLSPGTTEFWLGNEKIHLISMQSTIPYALRIQLKDWNG
 RTSTADYAMFRVGPESDKYRLTYAYFIGGDAGDAFDGYDFGDDPSDKFFTSHNGMQFSTWDNDNDKFEFN
 CAEQDGSWWMNKCHAGHLNGVYHQGGTYSKSSTTNGFDDGIWATWKSRYWSMKETTMKIIPFNRLSIG
 EGQQHHMGGSKQAGDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_133862

ORF Size: 1311 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_133862.2](#)
RefSeq Size: 1536 bp

RefSeq ORF: 1311 bp

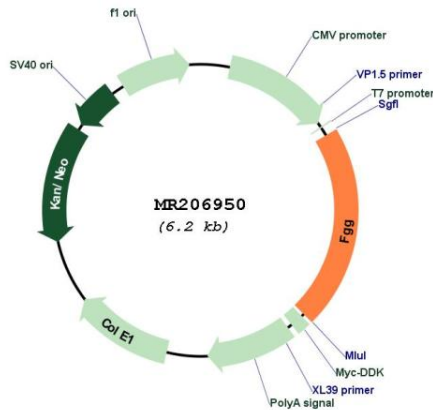
Locus ID: 99571

UniProt ID: [Q8VCM7](#)
Cytogenetics: 3 36.94 cM

MW: 49.4 kDa

Gene Summary: This gene encodes the gamma subunit of the coagulation factor fibrinogen, which is a component of the blood clot. Mice lacking the encoded protein did not possess detectable amounts of plasma fibrinogen. Pregnant mice lacking the encoded protein die due to heavy bleeding during delivery. This gene is located adjacent to the genes encoding fibrinogen alpha and gamma subunits on chromosome 3. Alternate splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Nov 2015]

Product images:



Circular map for MR206950