

Product datasheet for **MR206897**

Fgl2 (NM_008013) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgl2 (NM_008013) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgl2
Synonyms:	AI385601; musfiblp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR206897 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAGGCTTCCTGGTTGGTTGTGGCTGAGTTCTGCCGTCCTCGCTGCCTGCCGAGCGGTGGAGGAGCACA
 ACCTGACTGAGGGCTGGAGGATGCCAGCGCCAGGCTGCCTGCCCGCGAGGCTGGAGGGCAGCGGGAG
 GTGCGAGGGGAGCCAGTCCCCCTCCAGCTCACCTGCCACGCTGACCATCCAGTCCCCGCGCAGCTT
 GGCAGCATGGAGGAGGTGCTCAAAGAAAGTGGGACCCTCAAGGAAGCAGTGGACAGTCTGAAGAAATCCT
 GCCAGGACTGTAAGTTGCAAGGCTGACGACCATCGAGATCCCGCGGGAATGGAGGGAATGGAGCAGAGAC
 AGCCGAGGACAGTAGAGTCCAGGAAGTGGAGAGTCAGGTGAACAAGCTGTCCTCAGAGCTGAAGAATGCA
 AAGGACCAGATCCAGGGGCTGCAGGGGCGCTGGAGACGCTCCATCTGGTAAATATGAACAACATTGAGA
 ACTACGTGGACAACAAAGTGGCAATCTAACCGTTGTGGTCAACAGTTTGGATGGCAAGTGTCCAAGTG
 TCCCAGCCAAGAACACATGCAGTCACAGCCGTTCAACATCTAATATACAAAGATTGTTCCGACCACTAC
 GTGCTAGGAAGGAGAAGCAGTGGGGCCTACAGAGTTACCCCTGATCACAGAAACAGCAGCTTTGAGGTCT
 ACTGTGACATGGAGACCATGGGTGGAGGCTGGACGGTGTGCAGGCTCGCCTTGATGGCAGCACCAACTT
 CACCAGAGAGTGGAAAGACTACAAAGCCGGCTTTGAAACCTTGAAAGAGATTTTGGTTGGGCAACGAT
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 CACTTTATGCCTTGATGATCAGTTTTATGTGGCTAATGAATTTCTCAAATACCGATTACACATCGGTAA
 CTACAATGGCACGGCAGGGGATGCCTTGGCTTTCAGTCGACACTACAACCATGACCTGAGGTTTTTACA
 ACCCCAGACAGAGACAACGATCGGTACCCCTCTGGGAAGTGTGGGCTCTATTACAGCTCAGGCTGGTGGT
 TTGATTCATGTCTCTCTGCCAACTTAAATGGCAAAATATTACCACCAGAAATACAAAGGTGTCCGTAATGG
 GATTTTCTGGGGCACCTGGCTGGTATAAACACGACGACAGCCAGTGGCTACAAGTCTCCTTCAAACAG
 GCCAAGATGATGATTAGGCCCAAGAATTTCAAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206897 protein sequence
 Red=Cloning site Green=Tags(s)

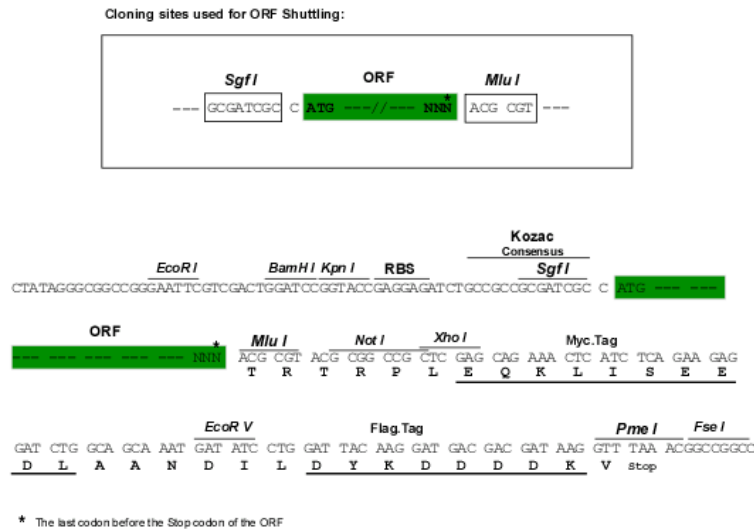
MRLPGWLWSSAVLAACRAVEEHNLTGLEDAASAQACPARLEGSGRCEGSQCPFQLTLPTLTIQLPRQL
 GSMEEVLEKVRTLKEAVDSLKKSCQDCKLQADHRDPGGNGNGAETAEDSRVQELESQVNKLSELKNA
 KDQIQGLQGRLETLHLVNMNNIENYVDNKVANLTVVNSLDGKCSKCPSEQHMQSQPVQHLIYKDCSDHY
 VLGRSSGAYRVTPDHRNSSFEVYCDMETMGGGWTVLQARLDGSTNFTREWKDYKAGFGNLEREFWLND
 KIHLLTKSKEMILRIDLEDFNGLTYALYDQFYVANEFLKYRLHIGNYNGTAGDALRFSRHYNHDLRFFFT
 TPDRDNDRYPSGNCGLYSSGWFFDCLSANLNGKYYHQYKGVNRNIFWGTWPGINQAQPGGYKSSFKQ
 AKMMIRPKNFKP

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_008013

ORF Size: 1296 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_008013.4](#)

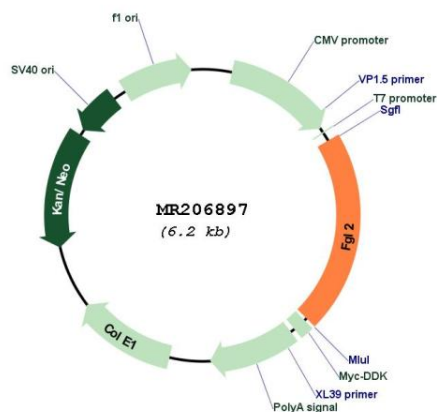
RefSeq Size: 3769 bp

RefSeq ORF: 1299 bp

Locus ID: 14190

UniProt ID: P12804
 Cytogenetics: 5 9.83 cM
 MW: 49 kDa
 Gene Summary: Converts prothrombin to thrombin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206897