

Product datasheet for **MG206897**

Fgl2 (NM_008013) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgl2 (NM_008013) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fgl2
Synonyms:	AI385601; musfiblp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206897 representing NM_008013 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGGCTTCCTGGTTGGTTGTGGCTGAGTTCTGCCGTCTCGCTGCCTGCCGAGCGGTGGAGGAGCACA
ACCTGACTGAGGGGCTGGAGGATGCCAGCGCCAGGCTGCCTGCCCGCGAGGCTGGAGGGCAGCGGGAG
GTGCGAGGGGAGCCAGTCCCCCTCCAGCTCACCTGCCACGCTGACCATCCAGCTCCCGCGGCAGCTT
GGCAGCATGGAGGAGGTGCTCAAAGAAGTGGGACCCCAAGGAAGCAGTGGACAGTCTGAAGAAATCCT
GCCAGGACTGTAAGTTGCAGGCTGACGACCATCGAGATCCCGCGGGAATGGAGGAATGGAGCAGAGAC
AGCCGAGGACAGTAGAGTCCAGGAAGTGGAGAGTCAGGTGAACAAGCTGTCCTCAGAGCTGAAGAATGCA
AAGGACCAGATCCAGGGGCTGCAGGGGCGCCTGGAGACGCTCCATCTGGTAAATATGAACAACATTGAGA
ACTACGTGGACAACAAAGTGGCAAATCTAACCGTTGTGGTCAACAGTTTGGATGGCAAGTGTTCAGTG
TCCCAGCCAAGAACACATGCAGTCACAGCCGGTTCAACATCTAATATACAAAGATTGTTCCGACCACTAC
GTGCTAGGAAGGAGAAGCAGTGGGGCTACAGAGTTACCCCTGATCACAGAAACAGCAGCTTTGAGGTCT
ACTGTGACATGGAGACCATGGGTGGAGGCTGGACGGTGTGACAGGCTCGCCTTGATGGCAGCACCAACTT
CACCAGAGAGTGGAAAGACTACAAAGCCGGCTTTGGAAACCTTGAACGAGAATTTTGGTTGGCAACGAT
AAAATTCATCTTCTGACCAAGAGTAAGGAAATGATTTTGAGAATAGATCTTGAAGACTTTAATGGTCTCA
CACTTTATGCCTTGTATGATCAGTTTTATGTGGCTAATGAATTTCTAAATACCGATTACACATCGGTAA
CTACAATGGCACGGCAGGGGATGCCTTGCCTTTCAGTCGACACTACAACCATGACCTGAGGTTTTTCACA
ACCCAGACAGAGACAACGATCGGTACCCCTCTGGGAACTGTGGGCTCTATTACAGCTCAGGCTGGTGGT
TTGATTATGTCTCTTGCCAACCTTAAATGGCAAATATTACCACCAGAAATACAAAGGTGTCGTAATGG
GATTTTCTGGGGCACCTGGCCTGGTATAAACCAGGCACAGCCAGGTGGCTACAAGTCTCTCTTCAAACAG
GCCAAGATGATGATTAGGCCAAGAATTCAAGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206897 representing NM_008013
 Red=Cloning site Green=Tags(s)

MRLPGWLWLSAVLAACRAVEEHNLTGLEDAASAACPARLEGSGRCEGSQCPFQLTLPTLTIQLPRQL
 GSMEEVLKEVRTLKEAVDSLKKSCQDCKLQADHRDPGGNGGNGAETAEDSRVQELESQVNKLSELKNA
 KDQIQGLQGRLETLHLVNMNNIENYVDNKVANLTVVNSLDGKCKSCPSQEHMQSQPVQHLYKDCSDHY
 VLGRSSGAYRVTPDHRNSSFEVYCDMETMGGGWTVLQARLDGSTNFTREWVDYKAGFNLEREFWLND
 KIHLLTKSKEMILRIDLEDFNGLTYALYDQFYVANEFLKYRLHIGNYNGTAGDALRFSRHYNHDLRFFT
 TPDRDNDRYPSGNCGLYSSGWFFDSCLSANLNGKYYHQKYKGVNRNGIFWGTWPGINQAQPGGYKSSFKQ
 AKMMIRPKNFKP

TRTRPLE – GFP Tag – V

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: 3728 bp

RefSeq ORF: 1299 bp

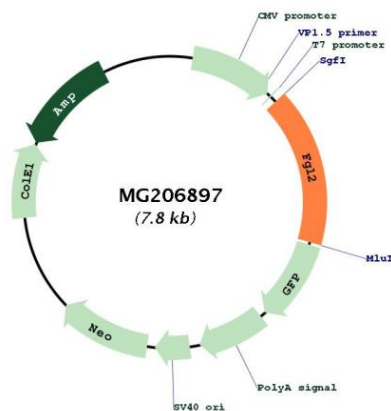
Locus ID: 14190

UniProt ID: [P12804](#)

Cytogenetics: 5 9.83 cM

Gene Summary: Converts prothrombin to thrombin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206897