

Product datasheet for **RR206271**

Fgl2 (NM_053455) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgl2 (NM_053455) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgl2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206271 representing NM_053455 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGGCTTCCTGGCTGGTTGTGGCTGAGCTCCGCGTCTCGCTGCCTGCCGAGCGCGGAGAAGCACA
ACCTGACTGAAGGGCTGGAGGATGCGAGCGCCAGGCTGCCTGCCCGCGAGGCTGGAGGGCAGCGGGAG
GTGCGAGGGCAGCCAGTGCCCTTCCAGCTCACCTGCCACGCTGACCTCCAGCTCCCGCAGCAGTTC
GGCAGCATGGAGGAGTGCTCAAAGAAGTGGGACCTCCAGGAAGCTGTGGACAGTCTGAAGAAATCCT
GCCAGGACTGCAAGTTGCAGGCTGATGAACATCCAGACCCTGGCGGAATGGAGCAGAGACGGCCGAGGA
CAATCGAGTCCAGGAAGTGGAGAGTCAGGTGAACAAGCTGCTCAGAGCTGAAGAATGCAAAGGAGGAG
ATCCAGGGGCTGCAGGGGCGCCTGGAGTCGCTCCAAGTAAATATGAACAACATCGAGAACTACGTGG
ACAACAAAGTGGCAAATCTAACCTCTGTGGTCAACAGTTTGGATAGCAAGTGTTCAGTGCCCCAGCCA
AGAACACAACAGCCAAATCCAGTTCAACATCTAATATACAAAGATTGCTCTGACTACTACGTGTTAGGG
AAGAGAAGCAGTGGGACCTACAGAGTTACGCCTGATCACAGGAACAGCAGCTTTGAGGTCTACTGCGACA
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GTGGAAGGACTACAAAGCCGGCTTCGGGAACCTTGAACGAGAATTTGGCTGGGCAACGATAAAATTCAT
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CCGTGTACGATCAGTTTTATGTGGCTAACGAGTTTCTCAAATACCGGTTACACCTCGGTAACATATAATGG
CACGGCAGGGGATGCCTTGCGTTTTAGCCGACATTACAACCACGACCTGAGGTTTTTACCACCCAGAGC
AGAGACAATGATCGGTACCCCTCTGGGAAGTGTGGGCTCTATTACAGCTCAGGCTGGTGGTTGATGCAT
GTCTCTTGCCAACTTAAATGGCAAATATTATCACCAGAGATACAAAGGGGTCCGTAATGGGATTTCTG
GGGCACCTGGCTGGTGAAGTCAGGCACACCCAGGGGCTACAAGTTCTCCTTCAAGAAGGCCAAGATG
ATGATAAGACCAAGAGTTTTAAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206271 representing NM_053455
 Red=Cloning site Green=Tags(s)

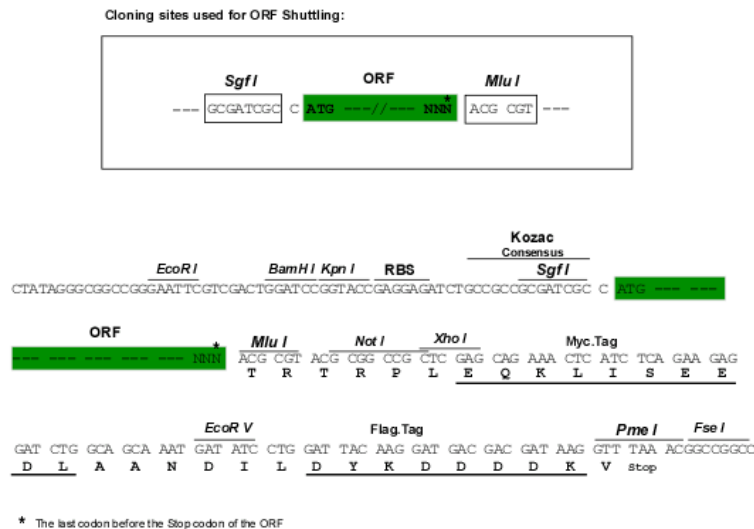
MRLPGWLWLSAVLAACRAAEKHNLTEGLEDASQAACPARLEGSGRCEGSQCPFQLTLPTLTLQLPQQF
 GSMEEVLKEVRTLQEAVDSLKKSCQDCKLQADEHPDPGGNGAETAEDNRVQELESQVNLSSSELKNAKEE
 IQGLQGRLESLQLVMNNIENYVDNKVANLTSVNSLDSKCFKCPSEQHNQPNPVQHLLIYKDCSDYYVLG
 KRSSGTYYRTPDHRNSSFEVYCDMETTGGGWTVLQARLDGSTNFRGWKDYKAGFNLEREFWLGNDKIH
 LLTKSKEMILRIDLEDFNGLTLAYVYDQFYVANEFLKYRLHLGNYNGTAGDALRFSRHYNHDLRFFFTTPD
 RDNDRYPSGNCGLYYSSGWWFDACLSANLNGKYHQRKGYRNGIFWGTWPGVSQAHPGGYKFSFKKAKM
 MIRPKSFKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_053455

ORF Size: 1287 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_053455.2, NP_445907.2

RefSeq Size: 3720 bp

RefSeq ORF: 1290 bp

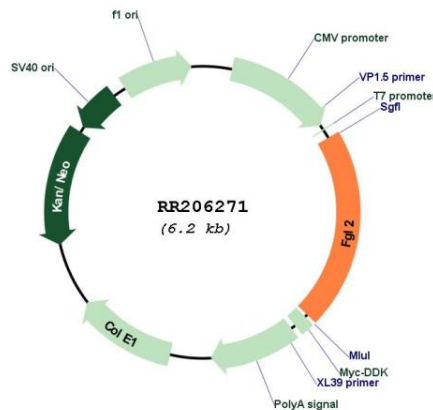
Locus ID: 84586

Cytogenetics: 4q11

MW: 48.7 kDa

Gene Summary: structurally similar to the beta and gamma chains of fibrinogen; may be involved with physiological functions at mucosal sites; may play a role in the initiation of parturition [RGD, Feb 2006]

Product images:



Circular map for RR206271