

Product datasheet for **RG207557**

FGL2 (NM_006682) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGL2 (NM_006682) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FGL2
Synonyms:	pT49; T49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207557 representing NM_006682 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGGCTAACTGGTACTGGCTGAGCTCAGCTGTTCTTGCCACTTACGGTTTTTTGGTTGTGGCAA
ACAATGAAACAGAGGAAATTAAGATGAAAGAGCAAAGGATGTCTGCCAGTGAGACTAGAAAGCAGAGG
GAAATGCGAAGAGGCAGGGGAGTGCCCTACCAGGTAAGCCTGCCCCCTTGACTATTAGCTCCCGAAG
CAATTCAGCAGGATCGAGGAGGTGTTCAAAGAAGTCCAAAACCTCAAGGAAATCGTAAATAGTCTAAAGA
AATCTTGCAAGACTGCAAGCTGCAGGCTGATGACAACGGAGACCCAGGCAGAAACGGACTGTTGTTACC
CAGTACAGGAGCCCGGGAGAGGTTGGTGATAACAGAGTTAGAGAATTAGAGAGTGAGGTTAACAAGCTG
TCCTCTGAGCTAAAGAATGCCAAAGAGGAGATCAATGTACTTCATGGTCGCCTGGAGAAGCTGAATCTTG
TAAATATGAACAACATAGAAAATATGTTGACAGCAAAGTGGCAAATCTAACATTTGTTGTCATAGTTT
GGATGGCAAATGTTCAAAGTGTCCAGCCAAGAACAAATACAGTCACGTCCAGTTCAACATCTAATATAT
AAAGATTGCTCTGACTACTACGCAATAGGCAAAAGAAGCAGTGAGACCTACAGAGTTACACCTGATCCCA
AAAATAGTAGCTTTGAAGTTTACTGTGACATGGAGACCATGGGGGGAGGCTGGACAGTGTGCAGGCACG
TCTCGATGGGAGCACCAACTTCACCAGAACATGGCAAGACTACAAAGCAGGCTTTGGAAACCTCAGAAGG
GAATTTTGGCTGGGGAACGATAAAATTCATCTTCTGACCAAGGTAAGGAAATGATTCTGAGAATAGATC
TTGAAGACTTTAATGGTGTGCAACTATATGCCTTGATGATCAGTTTTATGTGGCTAATGAGTTTCTCAA
ATATCGTTTTACACGTTGTAACATAATGGCACAGCTGGAGATGCATTACGTTTTCAACAAACATTACAAC
CACGATCTGAAGTTTTTACCAGTCCAGATAAAGACAATGATCGATATCCTTCTGGGAACTGTGGGCTGT
ACTACAGTTCAGGCTGGTGGTTTGTGATGATGCTTTCTGCAAACTTAAATGGCAAATATTATCACAAAA
ATACAGAGGTGTCGTAATGGGATTTTCTGGGTACCTGGCTGGTGAAGTGAGGCACACCCTGGTGGC
TACAAGTCTCCTCAAAGAGGCTAAGATGATGATCAGACCCAAGCACTTTAAGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207557 representing NM_006682
 Red=Cloning site Green=Tags(s)

MKLANWYWLSSAVLATYGFLVVANNETEEIKDERAKDVCPVRLESRGKCEEAGECPYQVSLPPLTIQLPK
 QFSRIEEVFKEVQNLKEIVNSLKKSCQDCKLQADDNGDPGRNGLLLPSTGAPGEVGDNRVRELESEVNKL
 SSELKNAKEEINVLHGRLEKLNLMNMIENYVDSKVANLTFVNSLDGKCSKCPSEQEIQSRPVQHLLIY
 KDCSDYYAIGKRSSETYRVTPDPKNSSFEVYCDMETMGGGWTVLQARLDGSTNFTRTWQDYKAGFNLRR
 EFWLGNDKIHLTKSKEMILRIDLEDFNGVELYALYDQFYVANEFLKYRLHVGNYNGTAGDALRFNKHYN
 HDLKFFFTTPDKDNDRYPGNGCGLYYSSGWFDACL SANLNGKYHQQYRGRVNRGIFWGTWPGVSEAHPPG
 YKSSFKEAKMMIRPKHFKP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006682

ORF Size: 1317 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_006682.3](#)

RefSeq Size: 4268 bp

RefSeq ORF: 1320 bp

Locus ID: 10875

UniProt ID: [Q14314](#)

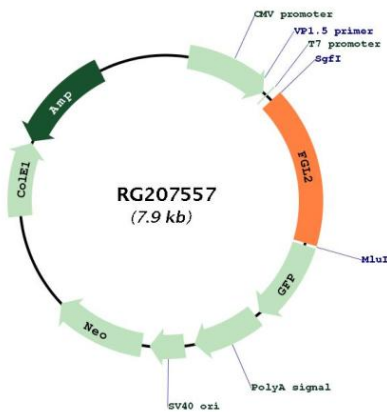
Cytogenetics: 7q11.23

Domains: FBG

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: The protein encoded by this gene is a secreted protein that is similar to the beta- and gamma-chains of fibrinogen. The carboxyl-terminus of the encoded protein consists of the fibrinogen-related domains (FRED). The encoded protein forms a tetrameric complex which is stabilized by interchain disulfide bonds. This protein may play a role in physiologic functions at mucosal sites. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207557