

Product datasheet for **RC207557**

FGL2 (NM_006682) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGL2 (NM_006682) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FGL2
Synonyms:	pT49; T49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC207557 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAAGCTGGCTAACTGGTACTGGCTGAGCTCAGCTGTTCTTGCCACTTACGGTTTTTGGTTGTGGCAA
 ACAATGAAACAGAGGAAATTAAAGATGAAAGAGCAAAGGATGTCTGCCAGTGAGACTAGAAAGCAGAGG
 GAAATGCGAAGAGGCAGGGGAGTGCCCTACCAGTAAGCCTGCCCTTACTATTACGCTCCCGAAG
 CAATTCAGCAGGATCGAGGAGGTGTTCAAAGAAGTCCAAACCTCAAGGAAATCGTAAATAGTCTAAAGA
 AATCTTGCCAAGACTGCAAGCTGCAAGGCTGATGACAACGAGACCCAGGCAGAAACGGACTGTTGTTACC
 CAGTACAGGAGCCCCGGGAGAGGTTGGTGATAACAGAGTTAGAGAATTAGAGAGTGAGGTTAACAAGCTG
 TCCTCTGAGCTAAAGAATGCCAAAGAGGAGATCAATGTACTTCATGGTCGCTGGAGAAGCTGAATCTTG
 TAAATATGAACAACATAGAAAATTATGTTGACAGCAAAGTGGCAAATCTAACATTTGTTGTCAATAGTTT
 GGATGGCAAATGTTCAAAGTGTCCAGCCAAGAACAATACAGTCACGTCCAGTTCAACATCTAATATAT
 AAAGATTGCTCTGACTACTACGCAATAGCAAAAAGAGCAGTGAGACCTACAGAGTTACACCTGATCCCA
 AAAATAGTAGCTTTGAAGTTTACTGTGACATGGAGACCATGGGGGAGGCTGGACAGTGCTGCAGGCACG
 TCTCGATGGGAGCACCAACTTCACCAGAACATGGCAAGACTACAAAGCAGGCTTTGGAAACCTCAGAAGG
 GAATTTTGGCTGGGGAACGATAAAATTCATCTTCTGACCAAGAGTAAGGAAATGATTCTGAGAATAGATC
 TTGAAGACTTTAATGGTGTGCAACTATATGCCTTGTATGATCAGTTTTATGTGGCTAATGAGTTTCTCAA
 ATATCGTTTACAGTTGGTAACATAATGGCACAGCTGGAGATGCATTACGTTTCAACAACATTACAAC
 CACGATCTGAAGTTTTTCACTCCAGATAAAGACAATGATCGATATCCTTCTGGGAACGTGGGCTGT
 ACTACAGTTCAGGCTGGTGGTTGATGCATGTCTTCTGCAAACTTAAATGGCAAATATTATCACCAAAA
 ATACAGAGGTGTCGTAATGGGATTTTCTGGGTACCTGGCCTGGTGTAAGTGAGGCACACCCTGGTGGC
 TACAAGTCCTCCTCAAAGAGGCTAAGATGATGATCAGACCCAAGCACTTTAAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207557 protein sequence
 Red=Cloning site Green=Tags(s)

MKLANWYWLSSAVLATYGFLVVANNETEEIKDERAKDVCVRLESRGKCEEAGECPYQVSLPPLTIQLPK
 QFSRIEEVFKEVQNLKEIVNSLKKSCQDCKLQADDNGDPGRNGLLLPSTGAPGEVGDNRVRELESEVNKL
 SSELKNAKEEINVLHGRLEKLNLMNNIENYVDSKVANLTFVNSLDGKCSKCPSEQEIQSRPVQHLY
 KDCSDYYAIGKRSETYRVTPDPKNSSFVYCDMETMGGGWTVLQARLDGSTNFRTRWQDYKAGFNLRR
 EFWLGNDKIHLLTKSEMILRIDLEDFNGVELYALYDQFYVANEFLKYRLHVGNYNGTAGDALRFNKHYN
 HDLKFFFTTPDKDNDRYPSGNCGLYYSSGWFDACL SANLNGKYYHQYRGVVRNGIFWGTWPGVSEAHPPG
 YKSSFKEAKMMIRPKHFKP

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6726_b07.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006682.3](#)

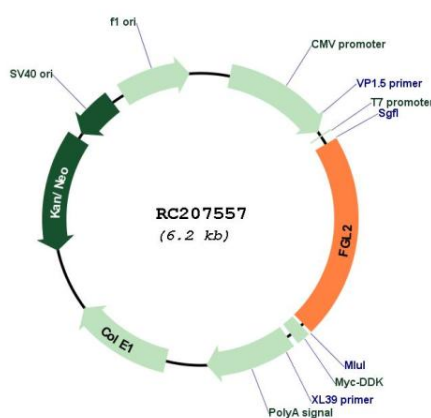
RefSeq Size: 4268 bp

RefSeq ORF: 1320 bp

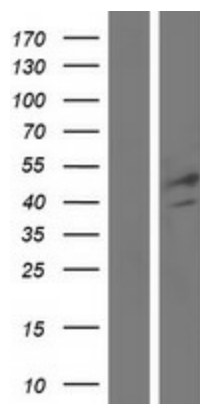
Locus ID: 10875

UniProt ID:	Q14314
Cytogenetics:	7q11.23
Domains:	FBG
Protein Families:	Druggable Genome, Secreted Protein
MW:	50.2 kDa
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]

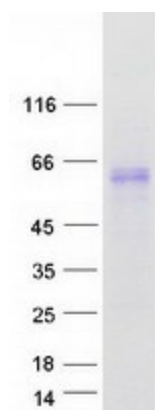
Product images:



Circular map for RC207557



Western blot validation of overexpression lysate (Cat# [LY416484]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207557 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FGL2 protein (Cat# [TP307557]). The protein was produced from HEK293T cells transfected with FGL2 cDNA clone (Cat# RC207557) using MegaTran 2.0 (Cat# [TT210002]).