

## Product datasheet for SC115952

### FGL2 (NM\_006682) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FGL2 (NM_006682) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGL2
Synonyms:	pT49; T49
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115952 sequence for NM_006682 edited (data generated by NextGen Sequencing)

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ATGAAGCTGGCTAACTGGTACTGGCTGAGCTCAGCTGTTCTTGCCACTTACGTTTTTTT
GTTGTGGCAAACAATGAAACAGAGGAAATTAAGATGAAAGAGCAAAGGATGTCTGCCCA
GTGAGACTAGAAAAGCAGAGGAAATGCGAAGAGGCAGGGGAGTGCCCTACCAGGTAAGC
CTGCCCCCTTGACTATTCAGCTCCCGAAGCAATTCAGCAGGATCGAGGAGGTGTTCAA
GAAGTCCAAAACCTCAAGGAAATCGTAAATAGTCTAAAGAAATCTTGCCAAGACTGCAAG
CTGCAGGCTGATGACAACGGAGACCCAGGCAGAAACGGACTGTTGTTACCCAGTACAGGA
GCCCGGGAGAGGTTGGTGATAACAGAGTTAGAGAATTAGAGAGTGAGGTTAACAAGCTG
TCCTCTGAGCTAAAGAATGCCAAAGAGGAGATCAATGTACTTCATGGTCGCCTGGAGAAG
CTGAATCTTGTAATATGAACAACATAGAAAATTATGTTGACAGCAAAGTGGCAAATCTA
ACATTTGTTGTAATAGTTTGGATGGCAAATGTTCAAAGTGTCCAGCCAAGAACAATA
CAGTCACGTCCAGTTCAACATCTAATATATAAAGATTGCTCTGACTACTACGCAATAGGC
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GAATTTGGCTGGGGAACGATAAAATTCATCTTCTGACCAAGAGTAAGGAAATGATTCTG
AGAATAGATCTTGAAGACTTTAATGGTGTGCAACTATATGCCTTGATGATCAGTTTTAT
GTGGCTAATGAGTTTCTCAAATATCGTTTACACGTTGGTAACTAATGGCACAGCTGGA
GATGCATTACGTTTCAACAAACATTACAACCAGATCTGAAGTTTTTCCCACTCCAGAT
AAAGACAATGATCGATATCCTTCTGGGAACTGTGGGCTGTACTACAGTTCAGGCTGGTGG
TTTGATGCATGTCTTTCTGCAAACCTTAAATGGCAAATATTATACCAAAAATACAGAGGT
GTCCGTAATGGGATTTTCTGGGGTACCTGGCCTGGTGTAAAGTGAGGCACACCCTGGTGGC
TACAAGTCCTCCTTCAAAGAGGCTAAGATGATGATCAGACCCAAGCACTTTAAGCCATAA

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Clone variation with respect to NM\_006682.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006682 unedited  
 GTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGGCTGCGCACTCCCTGCTGGGG  
 TGAGCAGCACTGTAAAGATGAAGCTGGCTAACTGGTACTGGCTGAGCTCAGCTGTTCTTG  
 CCACTTACGGTTTTTTGGTTGTGGCAAACAATGAAACAGAGGAAATTAAGATGAAAGAG  
 CAAAGGATGTCTGCCAGTGAGACTAGAAAGCAGAGGAAATGCGAAGAGGCAGGGGAGT  
 GCCCTACCAGGTAAGCCTGCCCCCTTGACTATTCAGCTCCCGAAGCAATTCAGCAGGA  
 TCGAGGAGGTGTTCAAAGAAGTCCAAAACCTCAAGGAAATCGTAAATAGTCTAAAGAAAT  
 CTTGCCAAGACTGCAAGCTGCAGGCTGATGACAACGGAGACCAGGCAGAAACGGACTGT  
 TGTACCACAGTACAGGAGCCCGGGAGAGGTTGGTGATAACAGAGTTAGAGAATTAGAGA  
 GTGAGGTTAAACAAGCTGTCCTCTGAGCTAAAGAATGCCAAAGAGGAGATCAATGTACTTC  
 ATGGTCGCTGGAGAAGCTGAATCTTGTAAATATGAACAACATAGAAAATATGTTGACA  
 GCAAAGTGGCAAATCTAACATNTTGTGTCAATAGTNTTGGATGGCAAATGNTCAAAGT  
 GTCCCAGCCAAGAACAATACAGNNTCACGTCCAGTTCACATCTAATATATAAAAGATT  
 TGCTCTGACTACTACGCAATAGGCAAAAANAAGCAGTGAGACCTACAGAGTTACACCTGAT  
 CCAAAAATAGTACTTTTTGAATTTACTGTGACTGGAGACATGNGGGGAGCTGGACAGTGCT  
 CANGCACGTCTGATGGGACACAACCTTCACAGACTGGCAGACTCAAGCAGCTTNGAAACTA  
 GAAGGATTTTGCTGGGACGATAATCATT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006682 unedited  
 CCCCCTCTTCAGCTTGGACCGGCCGCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTT  
 TGCATTGTTTTTCAGCTTTATTTCAAATGCTGTGTAGCATAAGAACCTAGCCGTCAGACA  
 TCATTTTTTAGCTATGAAAAATATGAAACAAGGCATATTCTAAAGTGCTGAAGGAATTA  
 TTGCCCTATTAGATAACGAATACCTGGAGGAATGAACAGAGTGATTTATGGCTTAAAGTG  
 CTTGGGTCTGATCATCATCTTAGCCTCTTTGAAGGAGGACTTGTAGCCACCAGGGTGTGC  
 CTCACCTACACCAGGCCAGGTACCCAGAAAATCCCATACGGACACCTCTGTATTTTTG  
 GTGATAATATTTGCCATTTAAGTTTGCAGAAAGACATGCATCAAACCACCAGCCTGAACT  
 GTAGTACAGCCCACAGTCCCAGAAGGATATCGATCATTGTCTTTATCTGGAGTGGTGAA  
 AAACCTCAGATCGTGGTTGTAATGTTTGTGAAACGTAATGCATCTCCAGCTGTGCCATT  
 ATAGTTACCAACGTGTAACGATATTTGAGAACTCATTAGCCACATAAACTGATCATA  
 CAAGGCATATAGTTCGACACCATTAAAGTCTTCAAGATCTATTCTCAGAATCATTTCTT  
 ACTCTTGGTCAGAAGATGAATTTTATCGTTCCCCAGCCAAAATTCCTTCTGAGGTTTTCC  
 AAAGCCTGCTTTGTAGTCTTGCCATGTTCTGGTGAAGTTGGTGCTTCCATCGAGACGTGC  
 CTGCAGCACTGTCCAGCCTCCNCCATGGTCTCCATGTCACAGTAACTTCAAAGCTACT  
 ATTTTTGGGACAGGCGCCACTCTGTAGTCTCACTGCTCCT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006682

**Insert Size:**

4470 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_006682.1](#), [NP\\_006673.1](#)

**RefSeq Size:** 1496 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]