

Product datasheet for RC202770L3

OriGene Technologies, Inc.

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Fibrinogen gamma chain (FGG) (NM_000509) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fibrinogen gamma chain (FGG) (NM 000509) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Fibrinogen gamma chain

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

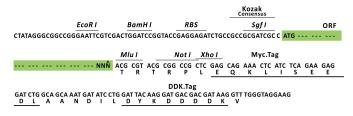
The ORF insert of this clone is exactly the same as(RC202770).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_000509 **ORF Size:** 1311 bp



Fibrinogen gamma chain (FGG) (NM_000509) Human Tagged Lenti ORF Clone - RC202770L3

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: <u>NM 000509.4</u>

 RefSeq Size:
 1665 bp

 RefSeq ORF:
 1314 bp

 Locus ID:
 2266

 UniProt ID:
 P02679

Cytogenetics: 4q32.1

Domains: FBG

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Complement and coagulation cascades

MW: 49.5 kDa

Gene Summary: The protein encoded by this gene is the gamma component of fibrinogen, a blood-borne

glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular

injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia and thrombophilia. Alternative splicing results in

transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]