

Product datasheet for RC230073L3

OriGene Technologies, Inc.

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Fibrinogen beta chain (FGB) (NM_001184741) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fibrinogen beta chain (FGB) (NM_001184741) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Fibrinogen beta chain

Synonyms: HEL-S-78p

Mammalian Cell Puromycin

Selection:

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

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

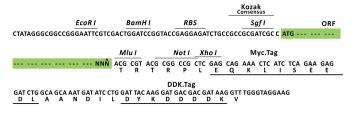
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC230073).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001184741

ORF Size: 1296 bp



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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 001184741.1</u>, <u>NP 001171670.1</u>

 RefSeq ORF:
 1299 bp

 Locus ID:
 2244

 UniProt ID:
 P02675

 Cytogenetics:
 4q31.3

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades

MW: 50.4 kDa

Gene Summary: The protein encoded by this gene is the beta 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. Fibrinogen serves key roles in hemostasis and antimicrobial host defense. Mutations in this gene lead to several disorders, including afibrinogenemia, dysfibrinogenemia, hypodysfibrinogenemia and thrombotic tendency.

[provided by RefSeq, Aug 2020]