

Product datasheet for RC224556L3

OriGene Technologies, Inc.

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Fibrinogen alpha chain (FGA) (NM_021871) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fibrinogen alpha chain (FGA) (NM_021871) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Fibrinogen alpha chain

Synonyms: Fib2

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 clo

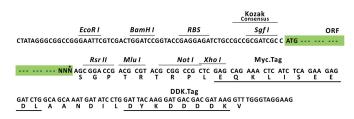
Sequence:

The ORF insert of this clone is exactly the same as(RC224556).

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





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

ACCN: NM_021871

ORF Size: 1932 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 021871.2</u>

 RefSeq Size:
 2210 bp

 RefSeq ORF:
 1935 bp

 Locus ID:
 2243

 UniProt ID:
 P02671

Cytogenetics: 4q31.3

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades

MW: 67.6 kDa

Gene Summary: This gene encodes the alpha subunit of the coagulation factor fibrinogen, which is a

component of the blood clot. Following vascular injury, the encoded preproprotein is

proteolytically processed by thrombin during the conversion of fibrinogen to fibrin. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia, afibrinogenemia and renal amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing.

[provided by RefSeq, Jan 2016]