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# Product datasheet for RC230073L4V

## Fibrinogen beta chain (FGB) (NM_001184741) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Symbol:** | Fibrinogen beta chain |
| **Synonyms:** | HEL-S-78p |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001184741 |
| **ORF Size:** | 1296 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC230073). |
| **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. |
| **RefSeq:** | NM_001184741.1, NP_001171670.1 |
| **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]