

Product datasheet for **SC321032**

Fibrinogen beta chain (FGB) (NM_005141) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibrinogen beta chain (FGB) (NM_005141) Human Untagged Clone
Tag:	Tag Free
Symbol:	Fibrinogen beta chain
Synonyms:	HEL-S-78p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_005141.2
 GGGGCTACATGAAAAGGATGGTTTTCTTGGAGCTTCCACAACTTAAAACCATGAAACATC
 TATTATTGCTACTATTGTGTGTTTTTTAGTTAAGTCCCAAGGTGTCAACGACAATGAGG
 AGGGTTTTCTTTCAGTGCCCGTGGTTCATCGACCCCTTGACAAGAAGAGAGAAGAGGCTCCCA
 GCCTGAGGCCTGCCCCACCGCCATCAGTGGAGGTGGCTATCGGGCTCGTCCAGCCAAAG
 CAGCTGCCACTCAAAGAAAGTAGAAAGAAAAGCCCTGATGCTGGAGGCTGTCTTCAGC
 CTGACCCAGACCTGGGGGTGTTGTCTTACAGGATGTCAGTTGCAAGAGGCTTTGCTAC
 AACAGGAAAGGCCAATCAGAAATAGTGTGATGAGTTAAATAACAATGTGGAAGCTGTTT
 CCCAGACCTCCTCTTCTTCTTTCAGTACATGTATTTGCTGAAAGACCTGTGGCAAAAGA
 GGCAGAAGCAAGTAAAAGATAATGAAAATGTAGTCAATGAGTACTCTCAGAAGTGGAAA
 AGCACCAATTATATAGATGAGACTGTGAATAGCAATATCCCAACTAACCTTCGTGTGC
 TTCGTTCAATCTGGAACCTGAGAAGCAAAATACAAAAGTTAGAATCTGATGTCTCAG
 CTCAAATGGAATATTGTCGCACCCCATGCACTGTGAGTTGCAATATTCCTGTGGTGTCTG
 GCAAAGAATGTGAGGAAATTACCAGGAAAGGAGGTGAAACATCTGAAATGTATCTCATT
 AACCTGACAGTTCTGTCAAACCGTATAGAGTATACTGTGACATGAATACAGAAAATGGAG
 GATGGACAGTGATTCAGAACCGTCAAGACGGTAGTGTGACTTTGGCAGGAAATGGGATC
 CATATAAACAGGGATTTGAAATGTTGCAACCAACACAGATGGGAAGAATTAAGTGTGGCC
 TACCAGGTGAATATTGGCTTGGAAATGATAAAATAGCCAGCTTACCAGGATGGGACCCA
 CAGAAGTTTTGATAGAAATGGAGGACTGGAAAGGAGACAAAGTAAAGGCTCACTATGGAG
 GATTCAGTGTACAGAATGAAGCCAACAAATACCAGATCTCAGTGAACAAATACAGAGGAA
 CAGCCGGTAAATGCCCTCATGGATGGAGCATCTCAGCTGATGGGAGAAAACAGGACCATGA
 CCATTCACAACGGCATGTTCTTTCAGCACGTATGACAGAGACAATGACGGCTGGTTAACAT
 CAGATCCAGAAAACAGTGTCTAAAGAAGACGGTGGTGGATGGTGGTATAATAGATGTC
 ATGCAGCCAATCCAACGGCAGATACTACTGGGGTGGACAGTACACCTGGGACATGGCAA
 AGCATGGCACAGATGATGGTGTAGTATGGATGAATTGGAAGGGTGCATGGTACTCAATGA
 GGAAGATGAGTATGAAGATCAGGCCCTTCTTCCACAGCAATAGTCCCAATACGTAGAT
 TTTTGCTCTTCTGTATGTGACAACATTTTGTACATTATGTTATTGGAATTTTCTTTTCT
 ACATTATATTCTCTAAAACCTCAAGCAGACGTGAGTGTGACTTTTGGAAAAAGTATA
 GGATAAATTACATTAATAAGTATAGTTTTGACAGAGTTGGTGTTCATAATTCAGTTCTAGTT
 GATTGCGAGAATTTCAAATAAGGAAGAGGGTCTTTTATCCTTGTGCTAGGAAAACCAT
 GACGAAAAGGAAAAACTGATGTTTAAAAGTCCACTTTTAAAACATATTTATTTATGTAG
 GATCTGTCAAAGAAAACCTCAAAGAAATTTATTAATTAACACAGCCTCTGTTGCAATAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005141

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_005141.2 , NP_005132.2
RefSeq Size:	1949 bp
RefSeq ORF:	1476 bp
Locus ID:	2244
UniProt ID:	P02675
Cytogenetics:	4q31.3
Domains:	FBG
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Complement and coagulation cascades
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>