

Product datasheet for **SC106217**

Fibrinogen alpha chain (FGA) (BC020764) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibrinogen alpha chain (FGA) (BC020764) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGA
Synonyms:	Fib2; fibrinogen, A alpha polypeptide; fibrinogen, alpha chain, isoform alpha preproprotein; fibrinogen, alpha polypeptide; fibrinogen alpha chain; MGC119422; MGC119423; MGC119425
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC020764, the custom clone sequence may differ by one or more nucleotides

```
ATGTTTTCCATGAGGATCGTCTGCCTGGTCCTAAGTGTGGTGGGCACAGCATGGACTGCAGATAGTGGTG  
AAGGTGACTTTCTAGCTGAAGGAGGAGGCGTGCCTGGCCCAAGGTTGTGGAAAGACATCAATCTGCCTG  
CAAAGATTCAGACTGGCCCTTCTGCTCTGGTGAAGACTGGAACACAAATGCCCTTCTGGCTGCAGGATG  
AAAGGGTTGATTGATGAAGTCAATCAAGATTTTACAAACAGAATAAATAAGCTCAAAAATTCACTATTTG  
AATATCAGAAGAACAATAAGGATTCTCATTGTTGACCACTAATAATGGAAATTTTGAGAGGCGATTT  
TTCCTCAGCCAATAACCGTGATAATACCTACAACCGAGTGTGAGAGGATCTGAGAAGCAGAATTGAAGTC  
CTGAAGCGCAAAGTCATAGAAAAAGTTACAGCAAACAATTTACTAGTAGCAGGTTACAACAGAGGAGA  
CTCCACATTTGAAAGCAAGAGCTATAAAATGGCAGATGAGGCCGGAAGTGAAGCCGATCATGAAGGAACA  
CATAGCACCAAGAGAGGCCATGCTAAATCTCGCCCTGTCAGAGGTATCCACACTTCTCCTTTGGGAAGC  
CTTCCCTGTCCCCTAGACTAAGTTAA
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for BC020764 unedited NCGTTCACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACCAGCTGGAGTGC TCCTCAGNAGCCAGCCCCACCCTTAGAAAAGAGTTTTCCATGAGGATCGTCTGCCTGGTC CTAAGTGTGGTGGGCACAGCATGGACTGCAGATAGTGGTGAAGGTGACTTTCTAGCTGAA GGAGGAGCGTGCGTGGCCCAAGGGTTGTGAAAGACATCAATCTGCCTGCAAAGATTCA GACTGGCCCTTCTGCTCTGATGAAGACTGGAACACAAAATGCCCTTCTGGCTGCAGGATG AAAGGGTTGATTGATGAAGTCAATCAAGATTTTACAAACAGAATAAATAAGCTCAAAAAT TCACTATTTGAATATCAGAAGAACAATAAGGATTCTCATTTCGTTGACCACTAATAATAATG GAAATTTTGAGAGGCGATTTTTCCTCAGCCAATAACCGTGATAATACCTACAACCGAGTG TCAGAGGATCTGAGAAGCAGAATTGAAGTCTGAAGCGCAAAGTCATAGAAAAAGTACAG CATATCCAGCTTCTGCAGAAAAATGTTAGAGCTCAGTTGGTTGATATGAAACGACTGGAG GTGGACATTGATTAAGATCCGATCTTGTGAGGGTCATGCAGTAGGGCTTTAGCTCGT GAAGTAGATCTGAAGGACTATGAAGATCAGCAGAAGCAACTTGAACAGGTATTGCCAAA GACTTACTCCCTCTAGAGATAGGCAACACTTACCACTGATAAAAATGAAACCAGTTCCA GACTTGGTTCCCGAAATTTTAAGAGCCAGCTTCAGAAGGTACCCCGAGGTGGAAGGCA TTAACAGACATGCCCGAGATGAGAATGGAGTTAGAGAGACCTGGTGGAAATGAGATTACT CGAGGGAGCTCCANCTCTTATGGACCCGNTC
Restriction Sites:	NotI-NotI
ACCN:	BC020764
Insert Size:	2750 bp
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).
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:	BC020764.1 , AAH20764.1
RefSeq Size:	952 bp
RefSeq ORF:	657 bp
Locus ID:	2243
Cytogenetics:	4q31.3
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Complement and coagulation cascades

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]