

Recombinant Full Length Human FGA Protein, GST-tagged

Cat. No. FGA-4803HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGA full-length ORF (AAH20764, 1 a.a. - 218 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	218 amino acids
Description	The protein encoded by this gene is the alpha 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. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia, afibrinogenemia and renal amyloidosis. Alternative splicing results in two isoforms which vary in the carboxy-terminus. [provided by RefSeq]
Molecular Mass	49.72 kDa
AA Sequence	MFSMSIVCLVLSVVGTAWTADSGEGDFLAEGGGVRGPRVVERHQSACKDSDWPF CSGEDWNYKCPSGCRMKGLIDEVNQDFTNRINKLKNLSLFEYQKNNKDSHSLTTNIM EILRGDFSSANNRDNTYNRVSEDLRSRIEVLKRKVIEKVTANNLLVARVTTEETPHLK ARAIKWQMRPEVKPIMKEHIAPREAMLNLALSEVSTLLLWGSLPCPPRLS

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	FGA fibrinogen alpha chain [Homo sapiens]
Official Symbol	FGA
Synonyms	FGA; fibrinogen alpha chain; fibrinogen, A alpha polypeptide; Fib2; MGC119422; MGC119423; MGC119425;
Gene ID	2243
mRNA Refseq	NM_000508
Protein Refseq	NP_000499
MIM	134820
UniProt ID	P02671

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