Recombinant Human FGA protein, His-tagged

Cat. No. FGA-36H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGA(Asp124~Pro214) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	124-214 a.a.
Description	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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	16.5kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 90%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

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	
UniProt ID	P02671
Chromosome	4q28

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Location	
Pathway	Amyloids, organism-specific biosystem; Blood Clotting Cascade, organism-specific biosystem; Common Pathway, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Disease, organism-specific biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem;
Function	eukaryotic cell surface binding; protein binding; protein binding, bridging; receptor binding;

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