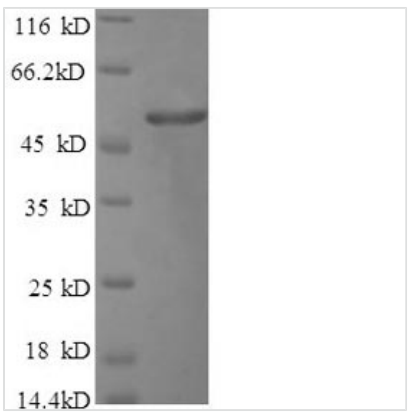
Recombinant Human FGA protein (FGA), partial

Product Code	CSB-EP008607HU
Abbreviation	Recombinant Human FGA protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8WW76
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GPRVVERHQSACKDSDWPFCSGEDWNYKCPSGCRMKGLIDEVNQDFTNRIN KLKNSLFEYQKNNKDSHSLTTNIMEILRGDFSSANNRDNTYNRVSEDLRSRIEV LKRKVIEKVTANNLLVARVTTEETPHLKARAIKWQMRPEVKPIMKEHIAPREAM LNLALSEVSTLLLWGSLPCPPRLS
Research Area	Cardiovascular
Source	E.coli
Target Names	FGA
Expression Region	36-218aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	25.1kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The production of this recombinant Human FGA protein is just like all recombinant proteins. The process involved transfecting E.coli cells with DNA

vector containing the template of recombinant DNA. The E.coli cells containing the template were then cultured so that they could transcribe and translate the FGA protein. N-terminal 6xHis tag was used in the process. The purity is 90% determined by SDS-PAGE. (The activity of this FGA protein has been validated.)

FGA is a gene providing instructions for making a protein called fibrinopeptide A in humans. This protein is involved in thrombus formation after vascular endothelial damage occurs and a platelet plug develops. It is a biomarker of the activation of the coagulation system, and a high concentration of FPA in the blood occurs in patients with ischemic cardiocerebrovascular diseases. Emerging evidence indicates that FPA induces CRP expression in HUVECs via the ROS-ERK1/2/p38-NF-κB signal pathway.

Shelf Life

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