

Recombinant Mouse Fga protein, His-tagged

Cat. No. Fga-1545M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fga aa. (Trp357~Asp556 (Accession # E9PV24)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Trp357~Asp556
Description	This gene encodes a subunit of the coagulation factor fibrinogen, which is a component of the blood clot. The encoded protein is proteolytically processed by thrombin during the conversion of fibrinogen to fibrin. Mice lacking the encoded protein display bleeding in the peritoneal cavity, skin and soft tissues around joints immediately after birth, and are predisposed to spontaneous fatal abdominal hemorrhage as they grow. Pregnant mice lacking the encoded protein succumb to uterine bleeding during gestation. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing.
Form	Freeze-dried powder
Molecular Mass	23 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>95%

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Characteristic	The isoelectric point is 6.3.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Fga fibrinogen alpha chain [Mus musculus (house mouse)]
Official Symbol	Fga
Synonyms	Fib; fibrinogen, A alpha polypeptide; fibrinogen alpha chain
Gene ID	14161
mRNA Refseq	NM_001111048.2
Protein Refseq	NP_001104518.1
UniProt ID	E9PV24

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