

Recombinant Mouse Fgb protein, His-tagged

Cat. No. Fgb-5819M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fgb aa. (Gly35~Gln481 (Accession # Q8K0E8)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gly35~Gln481
Description	This gene encodes the beta subunit of the coagulation factor fibrinogen, which is a component of the blood clot. The encoded preproprotein is proteolytically processed by thrombin to release an N-terminal fibrinopeptide during the conversion of fibrinogen to insoluble fibrin polymer. The encoded protein interacts with the amyloid beta peptide to form fibrin clots of abnormal structure, and may play an important role in Alzheimer's disease. This gene is located adjacent to the genes encoding fibrinogen alpha and gamma subunits on chromosome 3.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.2.
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 lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

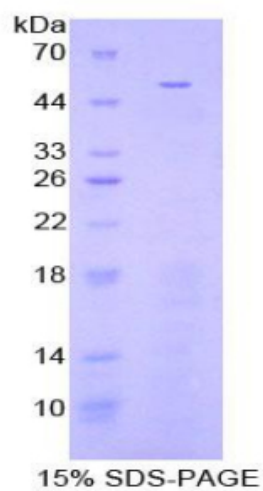
Gene Name	Fgb fibrinogen beta chain [Mus musculus (house mouse)]
Official Symbol	Fgb
Synonyms	2510049G14Rik; fibrinogen, B beta polypeptide; fibrinogen beta chain
Gene ID	110135
mRNA Refseq	NM_181849.3
Protein Refseq	NP_862897.1
UniProt ID	Q8K0E8

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SDS-PAGE



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