

Recombinant human FGG protein

Catalog Number: ATGP2953

PRODUCT INFORMATION

Expression system

E.coli

Domain

27-437aa

UniProt No.

P02679

NCBI Accession No.

NP_000500

Alternative Names

Fibrinogen gamma chain isoform gamma-A, Fibrinogen gamma chain

PRODUCT SPECIFICATION

Molecular Weight

48.9 kDa (434aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

FGG, also Known as Fibrinogen gamma chain isoform gamma-A. FGG is the gamma component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, FGG is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. Recombinant human FGG, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

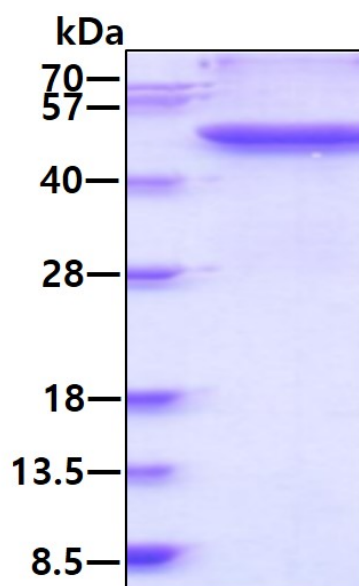
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 VAQLEAQCQE PCKDTVQIHD ITGKDCQDIA NKGAKQSGLY FIKPLKANQQ FLVYCEIDGS GNGWTVFQKR LDGSVDFKKN
 WIQYKEGFGH LSPTGTTEFW LGNEKIHLIS TQSAIPYALR VELEDWNGRT STADYAMFKV GPEADKYRLT YAYFAGGDAG
 DAFDGFDFGD DPSDKFFTSH NGMQFSTWDN DNDKFEGNCA EQDGSGWWMN KCHAGHLNGV YYQGGTYSKA
 STPNGYDNGI IWATWKTRWY SMKKTMMKII PFNRLTIGEG QQHHLGGAKQ AGDV

General References

Abaeva AA.,et al. (2013) J. Biol. Chem. 288 (41), 29621-29632

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.