Recombinant human FGB protein

Catalog Number: ATGP3094

PRODUCT INFORMATION

Expression system
E.coli

Domain
164-491aa

UniProt No.
P02675

NCBI Accession No.
NP_005132

Alternative Names
Fibrinogen beta chain isoform 1, HEL-S-78p

PRODUCT SPECIFICATION

Molecular Weight
40kDa (351aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity
> 85% 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
FGB also known as fibrinogen beta chain isoform 1 found in humans and most other vertebrates with a similar system of blood coagulation. FGB is the beta component of fibrinogen, a blood-borne glycoprotein composed of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including

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afibrinogenemia, dysfibrinogenemia, hypodysfibrinogenemia and thrombotic tendency. Recombinant human FGB protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

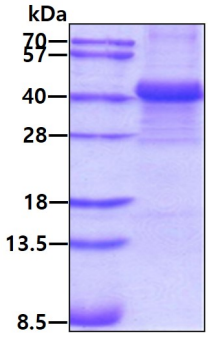
<MGSSHHHHHH SSGLVPRGSH MGS>DNENVVN EYSSELEKHQ LYIDETVNSN IPTNLRVLRS ILENLRSKIQ KLESDVSAQM EYCRTPCTVS CNIPVVSGKE CEEIIRKGGE TSEMYLIQPD SSVKPYRVYC DMNTENGGWT VIQNRQDGSV DFGRKWDPYK QGFGNVATNT DGKNYCGLPG EYWLGNDKIS QLTRMGPTEL LIEMEDWKGD KVKAHYGGFT VQNEANKYQI SVNKYRGTAG NALMDGASQL MGENRTMTIH NGMFFSTYDR DNDGWLTSDP RKQCSKEDGG GWWYNRCHAA NPNGRYYWGG QYTWDMAKHG TDDGVVWMNW KGSWYSMRKM SMKIRPFFPQ Q

General References

Doolittle R.F., et al. (1984) Annu. Rev. Biochem. 53:195-229
Spraggon G., et al. (1997) Nature 389:455-462

DATA

SDS-PAGE



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