

FGB, 164-491aa , Human, His tag, E.coli

Cat.NO.: TP02113

3th Edition

Synonyms:Fibrinogen beta chain isoform 1, HEL-S-78p

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

Form:Liquid, In 20mM Tris-HCl buffer(pH8.0) containing 10% glycerol

Molecular Weight:40kDa (351aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSDNENVVNEYSSELEKHQLYIDETVNSNIPTNLRVLRILENLRSKIQKLESDVS
AQMEYCRTPTVSCNIPVVSQKECEEIIRKGGGETSEMYLIQPDSSVKPYRVYCDMNTENGGWTVIQNRQDGSVDF
GRKWDPYKQGFQGNVATNTDGKNYCGLPGEYWLGNKISQLTRMGPTELLIEMEDWKGDKVKAHYGGFTVQNEA
NKYQISVNKYRGTAGNALMDGASQLMGENRTMTIHNGMFFSTYDRDNDGWLTSDPRKQCSKEDGGGWYWNRC
HAANPNGRYYWGGQYTWDMAKHGTDDGVVWMNWKGSWYSMRKMSMKIRPFFPQQ

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.