

Product datasheet for **AR51914PU-N**

Fibrinogen beta chain (164-491, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Fibrinogen beta chain (164-491, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSDNENNVN EYSSELEKHQ LYIDETVNSN IPTNLRVLRSL ILENLRSKIQ KLESDVSAQM EYCRTPCTVS CNIPVVGKE CEEIIRKGGE TSEMYLIQPD SSVKPYRVYCDMNTENGGWT VIQNRQDGSV DFGRKWDPYK QGFGNVATNT DGKNYCPLPG EYWLGNDKISQLTRMGPTTEL LIEMEDWKGD KVKAHYGGFT VQNEANKYQI SVNKYRGTAG NALMDGASQLMGENRTMTIH NGMFFSTYDR DNDGWLTSDP RKQCSKEDGG GWWYNRCHAA NPNGRYYWGGQYTWDMAKHG TDDGVVMMNW KGSWYSMRKM SMKIRPFFPQ Q
Tag:	His-tag
Predicted MW:	40 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human FGB protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001171670
Locus ID:	2244
UniProt ID:	P02675
Cytogenetics:	4q31.3
Synonyms:	HEL-S-78p



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Summary:

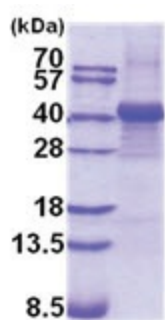
The protein encoded by this gene is the beta component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Fibrinogen serves key roles in hemostasis and antimicrobial host defense. Mutations in this gene lead to several disorders, including afibrinogenemia, dysfibrinogenemia, hypodysfibrinogenemia and thrombotic tendency. [provided by RefSeq, Aug 2020]

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Complement and coagulation cascades

Product images:

15% SDS-PAGE (3ug)