Coagulation factor XIII A chain (F13A1) Recombinant Protein | F13A1 recombinant protein

Recombinant Human Coagulation factor XIII A chain (F13A1)

CATALOG #	HOST
AAA113635	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Coagulation factor XIII A chain (F13A1); Recombinant Human Coagulation factor XIII A chain (F13A1); F13A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	39-732. Full-length of the mature protein.
Sequence	GVNLQEFLNV TSVHLFKERW DTNKVDHHTD KYENNKLIVR RGQSFYVQID FSRPYDPRRD LFRVEYVIGR YPQENKGTYI PVPIVSELQS GKWGAKIVMR EDRSVRLSIQ SSPKCIVGKF RMYVAVWTPY GVLRTSRNPE TDTYILFNPW CEDDAVYLDN EKEREEYVLN DIGVIFYGEV NDIKTRSWSY GQFEDGILDT CLYVMDRAQM DLSGRGNPIK VSRVGSAMVN AKDDEGVLVG SWDNIYAYGV PPSAWTGSVD ILLEYRSSEN PVRYGQCWVF AGVFNTFLRC LGIPARIVTN YFSAHDNDAN LQMDIFLEED GNVNSKLTKD SVWNYHCWNE AWMTRPDLPV GFGGWQAVDS TPQENSDGMY RCGPASVQAI KHGHVCFQFD APFVFAEVNS DLIYITAKKD GTHVVENVDA THIGKLIVTK QIGGDGMMDI TDTYKFQEGQ EEERLALETA LMYGAKKPLN TEGVMKSRSN VDMDFEVENA VLGKDFKLSI TFRNNSHNRY TITAYLSANI TFYTGVPKAE FKKETFDVTL EPLSFKKEAV LIQAGEYMGQ LLEQASLHFF VTARINETRD VLAKQKSTVL TIPEIIIKVR GTQVVGSDMT VTVQFTNPLK ETLRNVWVHL DGPGVTRPMK KMFREIRPNS TVQWEEVCRP WVSGHRKLIA SMSSDSLRHV YGELDVQIQR RPSM
Sequence Length	732
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for F13A1 recombinant protein	This gene encodes the coagulation factor XIII A subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits do not have enzymatic activity and may serve as plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon cleavage of the activation peptide by thrombin and in the presence of calcium ion, the plasma factor XIII dissociates its B subunits and yields the same active enzyme, factor XIIIa, as platelet factor XIII. This enzyme acts as a transglutaminase to catalyze the formation of gamma-glutamyl-epsilon-lysine crosslinking between fibrin molecules, thus stabilizing the fibrin clot. It also crosslinks alpha-2-plasmin inhibitor, or fibronectin, to the alpha chains of fibrin. Factor XIII deficiency is classified into two categories: type I deficiency, characterized by the lack of both the A and B subunits; and type II deficiency, characterized by the lack of the A subunit alone. These defects can result in a lifelong bleeding tendency, defective wound healing, and habitual abortion.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395709
NCBI GeneID	2162

NCBI Accession #	NP_000120.2
NCBI GenBank Nucleotide #	NM_000129.3
UniProt Accession #	P00488; Q59HA7; Q8N6X2; Q96P24; Q9BX29
Molecular Weight	81.2 kDa
NCBI Official Full Name	coagulation factor XIII A chain
NCBI Official Synonym Full Names	coagulation factor XIII A chain
NCBI Official Symbol	F13A1
NCBI Official Synonym Symbols	F13A
NCBI Protein Information	coagulation factor XIII A chain
UniProt Protein Name	Coagulation factor XIII A chain
UniProt Gene Name	**F13A1**
UniProt Synonym Gene Names	F13A; Coagulation factor XIIIa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/f13a1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113635