



# Recombinant Human Coagulation factor XIII A chain (F13A1)

<b>Product Code</b>	CSB-YP007919HU
<b>Relevance</b>	Factor XIII is activated by thrombin and calcium ion to a transglutaminase that catalyzes the formation of gamma-glutamyl-epsilon-lysine cross-links between fibrin chains, thus stabilizing the fibrin clot. Also cross-link alpha-2-plasmin inhibitor, or fibronectin, to the alpha chains of fibrin.
<b>Abbreviation</b>	Recombinant Human F13A1 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P00488
<b>Alias</b>	Protein-glutamine gamma-glutamyltransferase A chain Transglutaminase A chain
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	GVNLQEFNLNVTSVHLFKERWDTNPKVDHHTDKYENNKLIVRRGQSFYVQIDFSR PYDPRRDLFRVEYVIGRYPQENKGTYPVPIVSELQSGKWGAKIVMREDRSVR LSIQSSPKCIVGKFRMYVAVWTPYGVLRTRSRNPETDTYILFNPWCEDDAVYLD NEKEREEYVLNDIGVIFYGEVNDIKTRSWSYGQFEDGILDTCLYVMDRAQMDL SGRGNPIKVS RVGSAMVNAKDDEGVLVGSWDNIYAYGVPPSAWTGSVDILLE YRSENVPVRYGQCWVFAGVFNTFLRCLGIPARIVTNYFSAHDNDANLQMDIFL EEDGNVNSKLTKDSVWNYHCWNEAWMTRPDLVGFQGGWQAVDSTPQENSD GMYRCGPASVQAIKHGHVCFQFDAPFVFAEVNSDLIYITAKKDGTHVVENVDA THIGKLIVTKQIGGDGMMDITDTYKFQEGQEEERLALETALMYGAKKPLNTEGV MKSRSNVDMDFEVENAVLGKDFKLSITFRNNSHNRYTITAYLSANITFYTGVPK AEFKKETFDVTLEPLSFKKEAVLIQAGEYMGQLLEQASLHFFVTARINETRDVL AKQKSTVLTIPETIIKVRGTQVVGSDMTVTVQFTNPLKETLRNVVHLDGPGVT RPMKKMFREIRPNSTVQWEEVCRPWVSGHRKLIASMSDSL RHVY GELDVQI QRRPSM
<b>Research Area</b>	Cardiovascular
<b>Source</b>	Yeast
<b>Target Names</b>	F13A1
<b>Protein Names</b>	Recommended name: Coagulation factor XIII A chain Short name= Coagulation factor XIIIa EC= 2.3.2.13 Alternative name(s): Protein-glutamine gamma-glutamyltransferase A chain Transglutaminase A chain
<b>Expression Region</b>	39-732aa



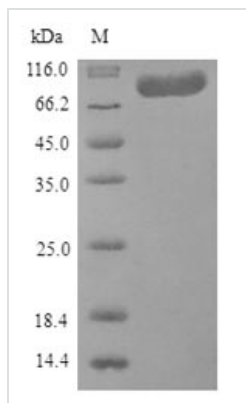
**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Tag Info** N-terminal 6xHis-tagged

**Mol. Weight** 81.2kDa

**Protein Length** Full Length of Mature Protein

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.