

Recombinant Human F13A1 Protein, His-tagged

Cat. No. F13A1-1332H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human F13A1 Protein is produced by E. coli expression system. This protein is fused with a His tag.
Species	Human
Source	E.coli
ProteinLength	39-732 aa
Form	Lyophilized powder, in 20 mM PB, 150 mM NaCl, pH 8.0, with 5% mannitol and 5% trehalose.
Molecular Mass	80.4 kDa
AA Sequence	MGVNLQEFLNVTSVHLFKERWDTNKKVDHHTDKYENNKLVRRGQSFYVQIDFSRPY DRRDLFRVEYVIGRYPQENKGTYPVPIVSELQSGKWGAKIVMREDRSVRLSIQSS PKCIVGKFRMYVAWVTPYGVLRTSRNPETDTYILFNPWCEDDAVYLDNEKEREEYV LNDIGVIFYGEVNDIKTRSWSYGQFEDGILDTCLYVMDRAQMDLSGRGNPIKVSRVG SAMVNAKDDEGLVGSWDNIYAYGVPPSAWTGSVDILLEYSSENPNVRYGQCWVF AGVFNTFLRCLGIPARIVTNYFSAHDNDANLQMDIFLEEDGNVNSKLTKDSVWNYHC WNEAWMTRPDLPVGFGGWQAVDSTPQENS DGM YRCGPASVQA IKHGHVCFQFD APFVFAEVNSDLIYITAKKDGTHVVENVDATHIGKLIVTKQIGGDGMMDITDTYKFQE GQEEERLALETALMYGAKKPLNTEGVMKSRSNVDMDFEVENAVLGKDFKLSITFRN NSHNRYTITAYLSANITFYTGVPKAEFKKETFDVTLEPLSFKKEAVLIQAGEYMGQLE QASLHFFVTARINETRDVLAKQKSTVLTPEIIKVRGTQVVGSDMTVTVQFTNPLKET

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LRNVVHLDGPGVTRPMKKMFREIRPNSTVQWEEVCRPWVSGHRKLIASMSSDSL
RHVYGELDVQIQRRPSMLEHHHHHH

Endotoxin <1.0EU per 1µg (determined by the LAL method)

Purity >90%, by SDS-PAGE

Storage Store at 2-8 centigrade for one week. Aliquot and store at -80 centigrade for 12 months. Avoid repeated freeze-thaw cycles.

Reconstitution Reconstitute in deionized water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name F13A1 coagulation factor XIII, A1 polypeptide [Homo sapiens]

Official Symbol F13A1

Synonyms F13A1; F13A; TGase; factor XIIIa; fibrinolygase; FSF, A subunit;

Gene ID 2162

mRNA Refseq NM_000129

Protein Refseq NP_000120

MIM 134570

UniProt ID P00488

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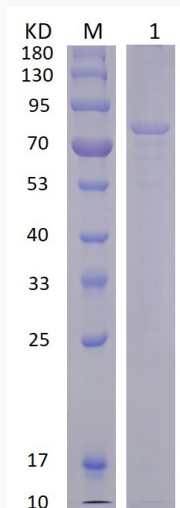


Fig 1. 15% SDS-PAGE analysis of purified F13A1 (CBB stained)
Lane M: Protein Marker Lane 1: protein (0.8 ug)