

Recombinant Human Factor XIIIa Protein

Catalog #	Source	Reactivity	Applications
CRP2701	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human Factor XIIIa Protein is produced by mammalian expression system and the target gene encoding Gly39-Met732 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 µm filtered solution of 50 mM NaCl, 5% Sucrose, 1% Tween 20 (v/v) , 0.3% Histidine (w/v) , pH8.0.

Gene Symbol F13A1

Alternative Names F13A; Coagulation factor XIII A chain; Coagulation factor XIIIa; Protein-glutamine gamma-glutamyltransferase A chain; Transglutaminase A chain

Entrez Gene 2162 (Human)

SwissProt P00488 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure GVN LQEF LNV TSV HLFKERW DTNKVDHHTD KYEN NK LIVR RGQSFYVQID FSRPYDPRRD LFRVEYVIGR YPQENKGTIYI PVPIVSELQS GKWGAKIVMR EDRSVRLSIQ SSPKCIVGKF RMYVAVWTPY GVLRTSRNPE TDTYILFNPW CEDDAVYLDN EKEREYVLN DIGVIFYGEV NDIKTRSWSY GQFEDGILDT CLYVMDRAQM DLSGRGNPIK VSRVGSAMVN AKDDEGVLVG SWDNIYAYGV PPSAWTGSVD ILLEYRSEN PVRYGQCWVF AGVFNTFLRC LGIPARIVTN YFSAHDNDAN LQMDIFLEED GNVNSKLT KD SVWNYHCWNE AWMTRPDLPV GFGGWQAVDS TPQENS D GMY RCGPASVQAI KHGHVCFQFD APFVFAEVNS DLIYITAKKD GTHVVENVDA THIGKLIVTK QIGGDGMMDI TDTYKFQEGQ EEERLALETA LMYGAKKPLN TEGVMKSRSN VDMDFEVENA VLGKDFKLSI TFRNNSHNRY TITAYLSANI TFYTGVPKAE FKKETFDVTL EPLSFKKEAV LIQAGEYMGQ LLEQASLHFF

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

VTARINETRD VLAKQKSTVL TIPEIIKVR GTQVVGSDMT VTVQFTNPLK ETLRNVVVHL
DGGVTRPMK KMFREIRPNS TVQWEEVCRP WVSGHRKLIASMSDSL RHV YGELDVQIQR
RPSMVDHHHH HH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Please minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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