

Recombinant Human Factor X Protein

Catalog #	Source	Reactivity	Applications
CRP2700	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human Factor X Protein is produced by mammalian expression system and the target gene encoding Asn32-Lys488 is expressed with a Fc tag at the C-terminus.

Form Lyophilized from a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, 0.2mM CaCl₂, pH5.5.

Gene Symbol F10

Alternative Names Coagulation factor X; Stuart factor; Stuart-Prower factor

Entrez Gene 2159 (Human)

SwissProt P00742 (Human)

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

Chemical Structure NNILARVTRA NSFLEEMKKG HLERECMEET CSYEEAREVF ESDDKTNEFW NKYKDGQDQCE TSPCQNQGKC KDGLGEYTCT CLEGFEGKNC ELFTRKLCSL DNGDCDQFCH EEQNSVVCSC ARGYTLADNG KACIPTGPYP CGKQTLERRK RSVAQATSSS GEAPDSITWK PYDAADLDPT ENPFDLLDFN QTQPERGDNN LTRIVGGQEC KDGECPWQAL LINEENEGFC GGTILSEFYI LTAAHCLYQA KRFKVRVGDR NTEQEEGGEA VHEVEVVIKH NRFTKETYDF DIAVLRLLKTP ITFRMNVAPA CLPERDWAES TLMTQKTGIV SGFGRTHEKG RQSTRLLKMLE VPYVDRNSCK LSSFIITQN MFCAGYDTKQ EDACQGDSGG PHVTRFKDTPY FVTGIVSWGE GCARKGKYGI YTKVTAFLKW IDRSMKTRGL PKAKSHAPEV ITSSPLKDIE GRMDEPKSCD KTHTCPKCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSREEMTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT

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

VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGK

Quality Control

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

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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