

Coagulation Factor X/F10 Recombinant Protein | F10 recombinant protein

Recombinant Mouse Coagulation Factor X/F10 Protein (C-6His)

CATALOG #
AAA174037

HOST
Human Cells

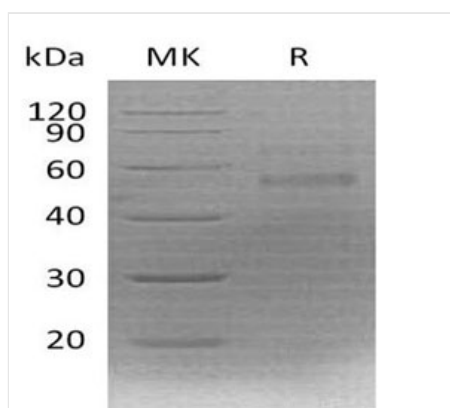
PRODUCT SYNONYMS

Coagulation Factor X/F10; Recombinant Mouse Coagulation Factor X/F10 Protein (C-6His); F10; Coagulation factor X; Stuart factor; F10 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of 20mM MES, 150mM NaCl and 1mM CaCl ₂ , pH 7.5.
Sequence Positions	Gly21-Asn481
Sequence Length	481
Species	Mouse
Endotoxin	<1.0 EU per ug as determined by LAL method.
Tag	C-6His
Reconstitution	It is recommended that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized protein should be stored at < -20°C. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for F10 recombinant protein	Mouse coagulation factor X/F10 a member of the peptidase S1 family. The mature F10 is composed mostly of two EGF-like domains, one Gla gamma-carboxy-glutamate domain and one peptidase S1 domain. Factor Xa is a vitamin K-dependent plasma protease that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting. The two chains of F10 are formed from a single-chain precursor by the excision of two Arg residues. A single-chain precursor is initially synthesized in the liver. The light and heavy chains are linked together by disulfide bonds. The light chain contains a Gla and two EGF-like domains. The heavy chain corresponds to the serine protease domain. It can form a heterodimer with SERPINA5.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110625994
NCBI GeneID	14058
NCBI Accession #	NP_031998.3
NCBI GenBank Nucleotide #	NM_007972.4
UniProt Accession #	O88947; O54740; Q99L32
Molecular Weight	Molecular Mass: 34.6 & 18.4 kDa Actual Protein Molecular Mass: 50-60 & 20-28kDa
NCBI Official Full Name	coagulation factor X isoform 2 preproprotein
NCBI Official Synonym Full Names	coagulation factor X
NCBI Official Symbol	F10
NCBI Official Synonym Symbols	fx; Cf10
NCBI Protein Information	coagulation factor X
UniProt Protein Name	Coagulation factor X
UniProt Gene Name	F10

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/f10-recombinant-protein-human-cells/174037>