

Product datasheet for **TP727809**

Factor X (F10) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Coagulation Factor X (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asn32-Lys488
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM MES, 150mM NaCl, 0.2mM CaCl ₂ , pH5.5.
Note:	Recombinant Human Coagulation Factor X is produced by our Mammalian expression system and the target gene encoding Asn32-Lys488 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	2159
UniProt ID:	P00742
Summary:	F10, also known as Coagulation factor X, belongs to the peptidase S1 family that is synthesized as a 488 amino acid (aa) with a signal peptide and a pro region (residues 1-40). Both the intrinsic and extrinsic pathways activate Factor X to Xa, which consists of light (residues 41-179) and heavy (residues 235-488) chains linked by a disulfide bond. Coagulation factor X is initially synthesized in the liver. The two chains are formed from a single-chain precursor by the excision of two Arg residues and are held together by 1 or more disulfide bonds. Forms a heterodimer with SERPINA5. F10 is a vitamin K-dependent glycoprotein that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting.



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