

Recombinant Human F10 Protein, MYC/DDK-tagged

Cat. No. F10-960H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human F10 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes the vitamin K-dependent coagulation factor X of the blood coagulation cascade. This factor undergoes multiple processing steps before its preproprotein is converted to a mature two-chain form by the excision of the tripeptide RKR. Two chains of the factor are held together by 1 or more disulfide bonds; the light chain contains 2 EGF-like domains, while the heavy chain contains the catalytic domain which is structurally homologous to those of the other hemostatic serine proteases. The mature factor is activated by the cleavage of the activation peptide by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway). The activated factor then converts prothrombin to thrombin in the presence of factor Va, Ca²⁺, and phospholipid during blood clotting. Mutations of this gene result in factor X deficiency, a hemorrhagic condition of variable severity. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing to generate mature polypeptides. [provided by RefSeq, Aug 2015].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	52.3 kDa
-----------------------	----------

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
---------------	---

Concentration	>50 ug/mL as determined by microplate BCA method
----------------------	--

GENE INFORMATION

Gene Name	coagulation factor X[Homo sapiens]
------------------	--------------------------------------

Official Symbol	F10
------------------------	-----

Synonyms	FX; FXA
-----------------	---------

Gene ID	2159
----------------	------

mRNA Refseq	NM_000504.3
--------------------	-------------

Protein Refseq	NP_000495
-----------------------	-----------

MIM	613872
------------	--------

UniProt ID	P00742
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA