

## Recombinant Mouse Coagulation Factor X, His-tagged

Cat. No. F10-2460M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse coagulation factor X was expressed in <i>HEK Cell</i> culture and purified by conventional and chelated metal affinity chromatography. It contained a 8X-His tag at C terminus for purification. MW=58.8KDa.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Complements for Factor X in human deficient plasma clotting assays. Concentration is determined by absorbance at 280 nm using an extinction coefficient of 0.953 mg-1 ml-1. Factor X, also known by the eponym Stuart-Prower factor or as prothrombinase, is an enzyme of the coagulation cascade. It is a serine endopeptidase (protease group S1).
<b>Concentration</b>	1.0 mg/ml.
<b>Volume</b>	0.1 ml.
<b>Buffer</b>	0.02 M Tris-HCl; 0.1 M NaCl; 0.001 M. Benzamidine; pH 7.4.
<b>Form</b>	Frozen liquid.
<b>Shipping Information</b>	Recommended Storage: -70°C; Shipping Conditions: Dry ice; Minimum Shelf Life: 3 years from delivery.

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## GENE INFORMATION

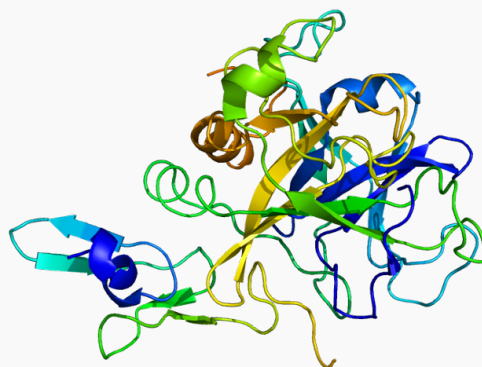
<b>Gene Name</b>	F10 coagulation factor X [ <i>Mus musculus</i> ]
<b>Synonyms</b>	F10; coagulation factor X; fX; Cf10; stuart factor; OTTMUSP00000022499; OTTMUSP00000022500; EC 3.4.21.6
<b>Gene ID</b>	14058
<b>mRNA Refseq</b>	NM_007972
<b>Protein Refseq</b>	NP_031998
<b>UniProt ID</b>	O88947
<b>Chromosome Location</b>	8 7.0 cM
<b>Pathway</b>	Complement and coagulation cascades
<b>Function</b>	calcium ion binding; catalytic activity; hydrolase activity; peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity

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PDB rendering based  
on 1c5m.



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