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32-8481: Recombinant Mouse Coagulation Factor X/F10 (C-6His)(Discontinued)

Gene : F10
Gene ID : 14058
Uniprot ID : O88947

Description

Source: Human Cells.
MW :55.1kD.
Recombinant Mouse Coagulation factor X is produced by our Mammalian expression system and the target gene encoding Gly21-Asn481 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM MES, 150mM NaCl and 1mM CaCl2 pH7.5..
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. 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.
Amino Acid :	GKGVFINRERANNVLARTRRANSFFEEFKKGNLERECMEEICSYEEVREIFEDDEKTKEYWTKYKDGDQCESSP CQNQGACRDGIGGYTCTCSEGFEGKNCELFVRKLCRLDNGDCDQFCREEQNSVVCSCASGYFLGNDGKSCIS TAPFPCGKITTGRRKRSVALNTSDSELDLEDALLDEDFLSPTENPIELLNLNETQPERSSDDLVRIVGGRECKDG ECPWQALLINEDNEGFCGGTILNEFYILTAAHCLHQARRFKVRVGDRNTEKEEGNEMVHEVDVVIKHNKFQRD TYDYDIAVLRLKTPITFRMNVAPACLPQKDWAESTLMTQKTGIVSGFGRTHEKGRQSNILKMLEVPYVDRNTCK LSTSFSITQNMFCAGYEAKLEDACQGDSGGPHVTRFKNTYYVTGIVSWGEGCARKGKYGIYTKVTTFLKWIDRS MKARVGPTAETPRTAGPPNVDHHHHHH

Application Note

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

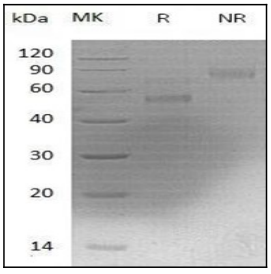


Fig 1: SDS PAGE analysis of Recombinant Mouse Coagulation Factor X/F10 (C-6His). R lane is for Protein in Reducing conditions, NR is for Non-Reducing conditions.

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