

## Active Recombinant Human F10 Protein, His-tagged

Cat. No. F10-1105H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human F10 (Accession # P00742) Met1-Lys488, fused with a C-terminal 10-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
<b>Species</b>	Human
<b>Source</b>	Sf21 Cells
<b>ProteinLength</b>	Met1-Lys488
<b>Predicted N Terminal</b>	Phe80, Tyr84, & Ile235
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in MES, NaCl and CaCl <sub>2</sub> .
<b>Bio-activity</b>	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH <sub>2</sub> . The specific activity is >800 pmol/min/µg, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Human F10, His-tagged has a calculated MW of 16.6 kDa & 30 kDa. In SDS-PAGE migrates as 12-15 kDa and 30-36 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

**GENE INFORMATION**

<b>Gene Name</b>	F10 coagulation factor X [ Homo sapiens ]
<b>Official Symbol</b>	F10
<b>Synonyms</b>	F10; coagulation factor X; factor Xa; prothrombinase; Stuart-Prower factor; FX; FXA;
<b>Gene ID</b>	2159
<b>mRNA Refseq</b>	NM_000504
<b>Protein Refseq</b>	NP_000495
<b>MIM</b>	613872
<b>UniProt ID</b>	P00742
<b>Chromosome Location</b>	13q34

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