

# Recombinant Human F10 protein, His-tagged

**Cat. No.** F10-289H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human F10 protein(NP_000495.1) (Met 1-Lys 488) was expressed in Insect Cells with a polyhistidine tag at the C-terminus.                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-488 aa                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol.                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | The recombinant human coagulation factor X consists of 468 amino acids and predicts a molecular mass of 52.8 kDa. As a result of glycosylation, it migrates with the apparent molecular mass of approximately 48 and 22 kDa corresponding to the cleaved light and heavy chain respectively in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                               |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                                                                                                           |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**protein Refseq-Weblink** [http://www.ncbi.nlm.nih.gov/protein/NP\\_000495.1](http://www.ncbi.nlm.nih.gov/protein/NP_000495.1)

**Unit ID** P00742

**Unit ID-Weblink** <https://www.uniprot.org/uniprotkb/P00742>

## GENE INFORMATION

**Gene Name** F10 coagulation factor X [ Homo sapiens ]

**Official Symbol** F10

**Synonyms** F10; coagulation factor X; factor Xa; prothrombinase; Stuart-Prower factor; FX; FXA;

**Gene ID** 2159

**mRNA Refseq** [NM\\_000504](#)

**protein Refseq** NP\_000495

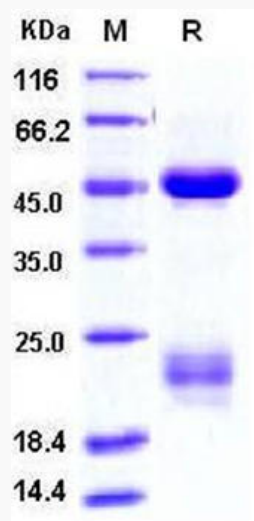
**MIM** [613872](#)

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SDS-PAGE



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