

# 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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