

Active Recombinant Human F3 protein, His-tagged

Cat. No. F3-2643H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Coagulation factor III/CD142 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly34-Glu251) of human Coagulation Factor III/Tissue Factor/CD142 (Accession #NP_001984.1) fused with a 6×His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Gly34-Glu251
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized Human CD142 at 1 µg/mL (100 µL/well) can bind Human Tissue Factor Rabbit mAb with a linear range of 0.98-61.71 ng/mL. 2.Measured by its ability to activate Coagulation Factor VII in cleaving a fluorogenic peptide substrate Boc-VPR-AMC. The AC50 is <24.0 µg/mL.
Molecular Mass	37-45 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	> 95% by SDS-PAGE.

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Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
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Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
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GENE INFORMATION

Gene Name	F3 coagulation factor III (thromboplastin, tissue factor) [Homo sapiens]
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Official Symbol	F3
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Synonyms	F3; coagulation factor III (thromboplastin, tissue factor); tissue factor; CD142; TF; TFA; FLJ17960;
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Gene ID	2152
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mRNA Refseq	NM_001178096
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Protein Refseq	NP_001171567
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MIM	134390
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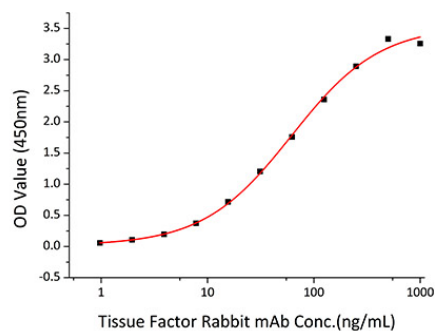
UniProt ID	P13726
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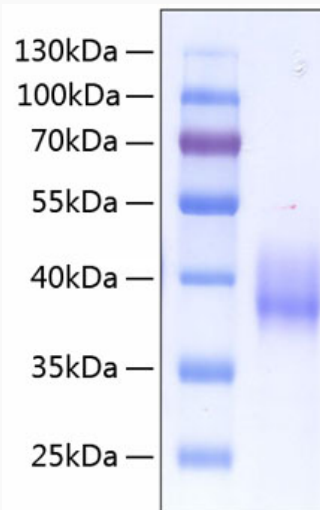
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Bio-activity



SDS-PAGE



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