

Active Recombinant Human F3 protein, His-tagged

Cat. No. F3-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human F3 protein(Gly34-Glu251), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	34-251 aa
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	25.55 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.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

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name F3 coagulation factor III (thromboplastin, tissue factor) [Homo sapiens]

Official Symbol F3

Synonyms F3; coagulation factor III (thromboplastin, tissue factor); tissue factor; CD142; TF; TFA; FLJ17960;

Gene ID 2152

mRNA Refseq NM_001178096

Protein Refseq NP_001171567

MIM 134390

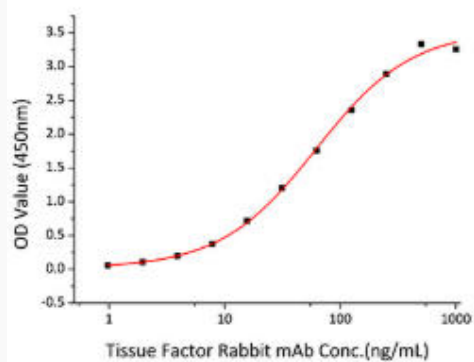
UniProt ID P13726

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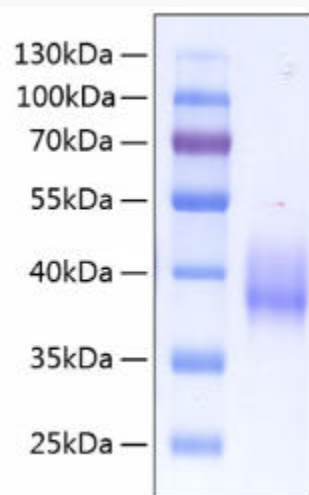
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Activity



SDS-PAGE



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