

## Recombinant Human F3 Protein, His-tagged

Cat. No. F3-151H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human coagulation factor III, tissue factor(F3), transcript variant 1(NM\_001993), with a His tag, was expressed in human cells.

**Species** Human

**Source** Human Cells

**Description** This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation factor VII. The resulting complex provides a catalytic event that is responsible for initiation of the coagulation protease cascades by specific limited proteolysis. Unlike the other cofactors of these protease cascades, which circulate as nonfunctional precursors, this factor is a potent initiator that is fully functional when expressed on cell surfaces. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described. Alternate splicing results in multiple transcript variants.

**Form** Purified protein formulated in a sterile solution of TBS buffer, pH7.256, without any preservatives.

**Molecular Mass** 29.5 kDa

**Endotoxin** Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

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**Purity** >90% by SDS-PAGE gel and Coomassie Blue staining

**Applications** Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

## 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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