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/μg of protein (<1EU /μg)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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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