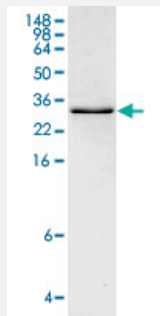


F3 (Human) Recombinant Protein

Catalog # P3830

Size 10 ug

Applications



Specification

Product Description	Human F3 (NP_001984.1, 33 a.a. - 251 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKSGDWKSKCFYTTDTECDLTDEMVKD VKQTYLARVFSYPAGNVESTGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNTVEDER TLVRRNNTFLSLRDVFGKDLIYLYWKSSSSGKKTAKTNTNEFLIDVDKGENYCFSVQAVIPSRTV NRKSTDSPVECMGQEKGEFRE
Host	Escherichia coli
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by SDS-PAGE
Quality Control Testing	10% SDS-PAGE Result
Storage Buffer	In saline or Tris (50% glycerol)
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Dot Blot
- SDS-PAGE

Gene Info — F3

Entrez GeneID [2152](#)

Protein Accession# [NP_001984.1](#)

Gene Name F3

Gene Alias CD142, TF, TFA

Gene Description coagulation factor III (thromboplastin, tissue factor)

Omim ID [134390](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000012426|coagulation factor III|tissue factor

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Chorioamnionitis](#)
- [Coronary Thrombosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhage](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Renal Insufficiency](#)

- [Stroke](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Werner syndrome](#)