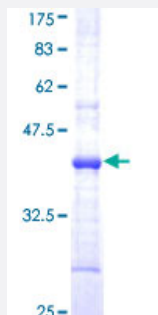


F11 (Human) Recombinant Protein (Q01)

Catalog # H00002160-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human F11 partial ORF (NP_000119, 286 a.a. - 385 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SIPVFCHSSFYHDTDFLGEELDVAAKSHEACQKLCCTNAVRCQFFTYTPAQASCNEGKGKCYLKLSSNGSPTKILHGRGGISGYTLRLCKMDNECTTKIK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — F11

Entrez GeneID [2160](#)

GeneBank Accession# [NM_000128](#)

Protein Accession# [NP_000119](#)

Gene Name F11

Gene Alias FXI, MGC141891

Gene Description coagulation factor XI

Omim ID [264900](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes coagulation factor XI of the blood coagulation cascade. This protein is present in plasma as a zymogen, which is a unique plasma coagulation enzyme because it exists as a homodimer consisting of two identical polypeptide chains linked by disulfide bonds. During activation of the plasma factor XI, an internal peptide bond is cleaved by factor XIIa (or XII) in each of the two chains, resulting in activated factor XIa, a serine protease composed of two heavy and two light chains held together by disulfide bonds. This activated plasma factor XI triggers the middle phase of the intrinsic pathway of blood coagulation by activating factor IX. Defects in this factor lead to Rosenthal syndrome, a blood coagulation abnormality. [provided by RefSeq]

Other Designations plasma thromboplastin antecedent|platelet coagulation factor XI

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Factor XI Deficiency](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Pre-Eclampsia](#)
- [Thrombophilia](#)
- [Venous Thrombosis](#)