

Recombinant Full Length Human F11 Protein, GST-tagged

Cat. No. F11-4476HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human F11 full-length ORF (NP_000119.1, 1 a.a. - 625 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	625 amino acids
Description	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, Jul 2008]
Molecular Mass	96.5 kDa
AA Sequence	MIFLYQVVHFILFTSVSGECVTQLLKDTCFEGGDITTVFTPSAKYCQVVCTYHPRCLL FTFTAESPSEDPTRWFTCVLKDSVTETLPRVNRATAISGYSEFKQCSHQISACNKDIYV DLDMKGINYNSSVAKSAQECQERCTDDVHCHFFTYATRQFPSLEHRNICLLKHTQT

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GTPTRITKLDKVVSGFSLKSCALSNLACIRDIFPNTVFADSNIDSVMAPDAFVCGRIC
 HHPGCLFFTTFFSQEWPKESQRNLCLLKTSESGLPSTRIKSKALSGFSLQSCRHSIP
 VFCHSSFYHDTDFLGEELDIVAASHEACQKLCTNAVRCQFFTYTPAQASCNEGKG
 KCYLKLSSNGSPTKILHGRGGISGYTLRLCKMDNECTTIKPRIVGGTASVRGEWPW
 QVTLHTTSPTQRHLCGGSIIGNQWILTAAHCFYGVESPKILRVYSGILNQSEIKEDTSF
 FGVQEIIHDQYKMAESGYDIALLKLETTVNYTDSQRPICLPSKGDRNVIYTDWVTG
 WGYRKLRLDKIQNTLQKAKIPLVTNEECQKRYRGHKITHKMICAGYREGGKDACKGD
 SGGPLSCKHNEVWHLVGITSWGEGCAQRERPGVYTNVVEYVDWILEKTQAV

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

F11 coagulation factor XI [Homo sapiens]

Official Symbol

F11

Synonyms

F11; coagulation factor XI; FXI; plasma thromboplastin antecedent; PTA;
 MGC141891;

Gene ID

2160

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mRNA Refseq	NM_000128
Protein Refseq	NP_000119
MIM	264900
UniProt ID	P03951

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