

Recombinant Human F11 protein, His & T7-tagged

Cat. No. F11-1861H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human F11 aa. (Thr170~Glu398 (Accession # P03951)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr170~Glu398
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.9kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 9.1.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

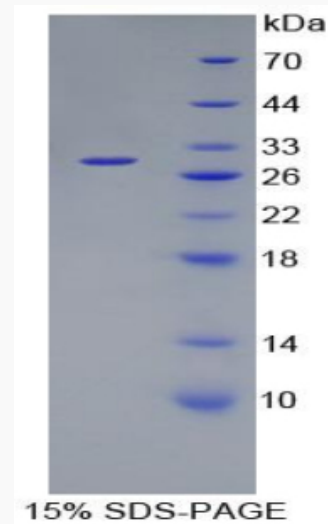
Gene Name	F11 coagulation factor XI [Homo sapiens (human)]
Official Symbol	F11
Synonyms	Cyp1a2; cytochrome P450, family 1, subfamily a, polypeptide 2; CYPD45; P-450d; RATCYPD45; cytochrome P450 1A2; CYPIA2; Cytochrome P450 subfamily I (aromatic compound-inducible) member A2 (Q42 form d); P-448; P450-D; cholesterol 25-hydroxylase; cytochrome P-448; cytochrome P-450d; cytochrome P450, 1a2; cytochrome P450, subfamily I (aromatic compound-inducible), member A2 (Q42, form

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d); cytochrome P450-D

Gene ID 2160**mRNA Refseq** NM_000128.3**Protein Refseq** NP_000119.1**UniProt ID** P03951

SDS-PAGE

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