

Product datasheet for PH313056

Factor XI (F11) (NM_000128) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	F11 MS Standard C13 and N15-labeled recombinant protein (NP_000119)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213056
Predicted MW:	69.9 kDa
Protein Sequence:	>RC213056 representing NM_000128 Red=Cloning site Green=Tags(s)

MIFLYQVVHFI LFTSVSGECVTQLLKDTCFEGGDITTVF T P S A K Y C Q V V C T Y H P R C L L F T F T A E S P S E D P
TRWFTCVLKDSVTETLPRVNR T A A I S G Y S F K Q C S H Q I S A C N K D I Y V D L D M K G I N Y N S S V A K S A Q E C Q E R C
TDDVHCHFFTYATRQFP S L E H R N I C L L K H T Q T G T P T R I T K L D K V V S G F S L K S C A L S N L A C I R D I F P N T V F
A D S N I D S V M P D A F V C G R I C T H H P G C L F F T F F S Q E W P K E S Q R N L C L L K T S E S G L P S T R I K K S K A L S G F S L
Q S C R H S I P V F C H S S F Y H D T D F L G E E L D I V A A K S H E A C Q K L C T N A V R C Q F F T Y T P A Q A S C N E G K G K C Y L K L
S S N G S P T K I L H G R G G I S G Y T L R L C K M D N E C T T K I K P R I V G G T A S V R G E W P W Q V T L H T T S P T Q R H L C G G S I
I G N Q W I L T A A H C F Y G V E S P K I L R V Y S G I L N Q S E I K E D T S F F G V Q E I I I H D Q Y K M A E S G Y D I A L L K L E T T V
N Y T D S Q R P I C L P S K G D R N V I Y T D C W V T G W G Y R K L R D K I Q N T L Q K A K I P L V T N E E C Q K R Y R G H K I T H K M I C
A G Y R E G G K D A C K G D S G G P L S C K H N E V W H L V G I T S W G E G C A Q R E R P G V Y T N V V E Y V D W I L E K T Q A V

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000119
RefSeq Size:	2217
RefSeq ORF:	1875



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Synonyms: FXI; PTA

Locus ID: 2160

UniProt ID: [P03951](#)

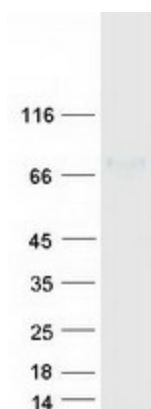
Cytogenetics: 4q35.2

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, Jul 2008]

Protein Families: Druggable Genome, Protease, Secreted Protein

Protein Pathways: Complement and coagulation cascades

Product images:



Coomassie blue staining of purified F11 protein (Cat# [TP313056]). The protein was produced from HEK293T cells transfected with F11 cDNA clone (Cat# [RC213056]) using MegaTran 2.0 (Cat# [TT210002]).