

Coagulation Factor XI/F11 Protein, Human (HEK293, His)

Cat. No.:	HY-P73046
Synonyms:	Coagulation factor XI; Coagulation factor XIa light chain; PTA; FXI; F11
Species:	Human
Source:	HEK293
Accession:	P03951 (M1-V625)
Gene ID:	2160
Molecular Weight:	75-80 kDa

PROPERTIES

AA Sequence

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

Biological Activity

The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.

Endotoxin Level

<1 EU/ μ g, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH₂O.

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Coagulation Factor XI, also known as F11, plays a pivotal role in the middle phase of the intrinsic pathway of blood coagulation. Its key function lies in activating Factor IX, contributing to the cascade of events that lead to the formation of a stable blood clot. Factor XI's role in the intrinsic pathway underscores its importance in the regulation of hemostasis, as it bridges the connection between upstream and downstream coagulation factors.

Caution: Product has not been fully validated for medical applications. For research use only.

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