

Coagulation Factor X/F10 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70215
Synonyms:	rMuCoagulation factor X/FX, His; F10; Coagulation factor X; Stuart factor
Species:	Mouse
Source:	HEK293
Accession:	O88947 (G21-N481)
Gene ID:	14058
Molecular Weight:	50-60 kDa

PROPERTIES

AA Sequence	<pre> G K G V F I N R E R A N N V L A R T R R A N S F F E E F K K G N L E R E C M E E I C S Y E E V R E I F E D D E K T K E Y W T K Y K D G D Q C E S S P C Q N Q G A C R D G I G G Y T C T C S E G F E G K N C E L F V R K L C R L D N G D C D Q F C R E E Q N S V V C S C A S G Y F L G N D G K S C I S T A P F P C G K I T T G R R K R S V A L N T S D S E L D L E D A L L D E D F L S P T E N P I E L L N L N E T Q P E R S S D D L V R I V G G R E C K D G E C P W Q A L L I N E D N E G F C G G T I L N E F Y I L T A A H C L H Q A R R F K V R V G D R N T E K E E G N E M V H E V D V V I K H N K F Q R D T Y D Y D I A V L R L K T P I T F R M N V A P A C L P Q K D W A E S T L M T Q K T G I V S G F G R T H E K G R Q S N I L K M L E V P Y V D R N T C K L S T S F S I T Q N M F C A G Y E A K L E D A C Q G D S G G P H V T R F K N T Y Y V T G I V S W G E G C A R K G K Y G I Y T K V T T F L K W I D R S M K A R V G P T A E T P R T A G P P N </pre>
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 µm filtered solution of 20 mM MES, 150 mM NaCl, 1 mM CaCl ₂ , pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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 X/F10 Protein, a vitamin K-dependent glycoprotein, plays a pivotal role in blood clotting. Factor Xa, produced by this protein, is instrumental in converting prothrombin to thrombin. This conversion occurs in the presence of factor Va, calcium, and phospholipid, contributing to the intricate process of blood coagulation.

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

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