

Recombinant Pig F12 Protein (20-371 aa), His-tagged

Cat. No. F12-2040P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Pig F12 Protein (20-371 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Partial.
Species	Pig
Source	Yeast
ProteinLength	20-371 aa
Description	Factor XII is a serum glycoprotein that participates in the initiation of blood coagulation, fibrinolysis, and the generation of bradykinin and angiotensin. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves factor XII first to alpha-factor XIIa and then trypsin cleaves it to beta-factor XIIa. Alpha-factor XIIa activates factor XI to factor XIa (By similarity).
Form	Tris-based buffer,50% glycerol
Molecular Mass	41.8 kDa
AA Sequence	<pre> IPPWKDPRKHKVMASEHTVVLTVTGEPCHFPFQYYRQLYYKCIQRGQRGPRPWCA TTPNFEKDQRWAYCLEPMKVVDHCNKGNPCQKGGTCVNMPNGPHCICPDHFTGK HCQKEKCFEPQFLQFFQENEIWHRFEPAGVSKCQCKGPKAQCKPVASQVCSTNPC LNGGSLQTEGHRLCRCPTGYAGRLCDVDLKERCYSDRGLSYRGMATTLGAPC QPWASEATYWNMTAEQALNWGLGDHAFCRNPNDTRPWCFVWRGDQLSWQYC </pre>

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RLARCQAPIGEAPPILTPTQSPSEHQDSPLLSREPQPTTQTSPQNLTSAWCAPPEQR
GPLPSAGLVGCGQRLRKRLSSLNR

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [F12 coagulation factor XII \(Hageman factor\) \[Sus scrofa \]](#)

Official Symbol [F12](#)

Synonyms F12; coagulation factor XII; HAF; factor XII; hageman factor; FXII;

Gene ID [397474](#)

mRNA Refseq [NM_214242](#)

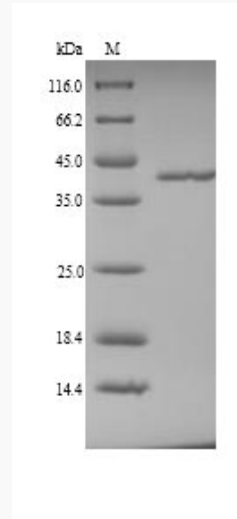
Protein Refseq [NP_999407](#)

UniProt ID [O97507](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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