

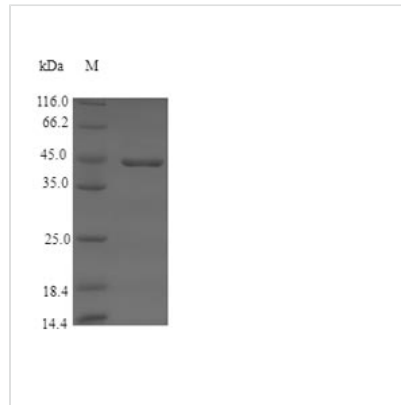


# Recombinant Pig Coagulation factor XII (F12), partial

<b>Product Code</b>	CSB-EP007918PI
<b>Relevance</b>	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 XIIIa and then trypsin cleaves it to beta-factor XIIIa. Alpha-factor XIIIa activates factor XI to factor XIa (By similarity).
<b>Abbreviation</b>	Recombinant Pig F12 protein, partial
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O97507
<b>Alias</b>	Hageman factor Short name: HAF
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Sus scrofa (Pig)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	IPPWKDPRKHKVMASEHTVVLTVTGEPCHFPFQYYRQLYYKCIQRGQRGPRP WCATTPNFEKDQRWAYCLEPMKVKDHCNKGNPCQKGGTCVNMPNGPHCIC PDHFTGKHCQKEKCFEPQFLQFFQENEIWHRFEPAGVSKCQCKGPKAQCKP VASQVCSTNPCLNGGSLQTEGHRLCRCPTGYAGRLCDVDLKERCYSDRGL SYRGMAQTTLGAPCQPWASEATYWNMTAEQALNWGLGDHAFCRNPNDT RPWCFVWRGDQLSWQYCRLARCQAPIGEAPPILTPTQSPSEHQDSPLLSREP QPTTQTPSQNLTSAWCAPPEQRGPLPSAGLVGCGQRLRKRLSSLNR
<b>Research Area</b>	Cardiovascular
<b>Source</b>	E.coli
<b>Target Names</b>	F12
<b>Protein Names</b>	Recommended name: Coagulation factor XII EC= 3.4.21.38Alternative name(s): Hageman factor Short name= HAFCleaved into the following 2 chains: 1. Coagulation factor XIIIa heavy chain 2. Coagulation factor XIIIa light chain
<b>Expression Region</b>	20-371aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	43.8kDa
<b>Protein Length</b>	Partial



## Image



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

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.