

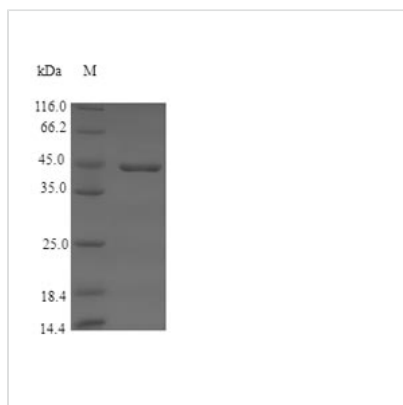


Recombinant Pig Coagulation factor XII (F12), partial

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