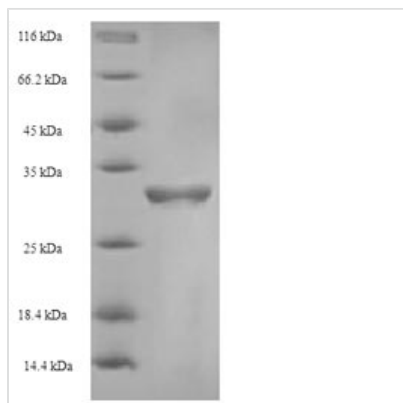


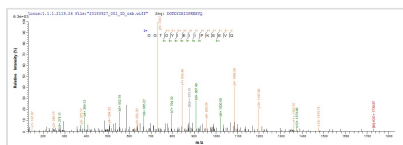


Recombinant Human Coagulation factor V (F5), partial

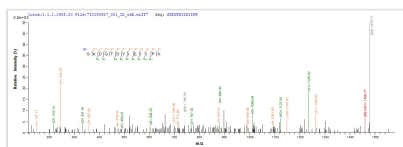
Product Code	CSB-EP007929HU
Relevance	Central regulator of hostasis. It serves as a critical cofactor for the prothrombinase activity of factor Xa that results in the activation of prothrombin to thrombin.
Abbreviation	Recombinant Human F5 protein, partial
Storage	The shelf life is related to many factors, 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.	P12259
Alias	Activated protein C cofactorProaccelerin, labile factor
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MPSPSSPTLNDTFLSKEFNPLVIVGLSKDGTDYIEIIPKEEVQSSSEDDYAEIDYV PYDDPYKTDVRTNINSSRDPDNIAAWYLRSNNGNRRNYYIAAEEISWDYSEFV QRETDIEDSDDIPEDTT
Research Area	Cardiovascular
Source	E.coli
Target Names	F5
Protein Names	Recommended name: Coagulation factor V Alternative name(s): Activated protein C cofactor Proaccelerin, labile factor Cleaved into the following 2 chains: 1. Coagulation factor V heavy chain 2. Coagulation factor V light chain
Expression Region	1490-1614aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	30.4kDa
Protein Length	Partial
Image	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP007929HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) F5.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP007929HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) F5.

Description

The Recombinant Human F5 protein is a crucial tool for understanding coagulation processes and exploring potential therapeutic interventions in cardiovascular research. Coagulation factor V, also known as activated protein C cofactor, is an essential player in the blood clotting cascade, regulating the balance between procoagulant and anticoagulant activities.

This product contains a partial sequence of the human F5 protein (1490-1614aa) expressed in E.coli, ensuring high-quality recombinant protein production. The N-terminal 6xHis-SUMO tag enables efficient purification and facilitates detection in downstream applications. With a purity greater than 90% as determined by SDS-PAGE, our Recombinant Human F5 protein provides a reliable reagent for your cardiovascular research needs. Supplied as a lyophilized powder, this product is readily reconstituted for immediate use in your experiments.

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.