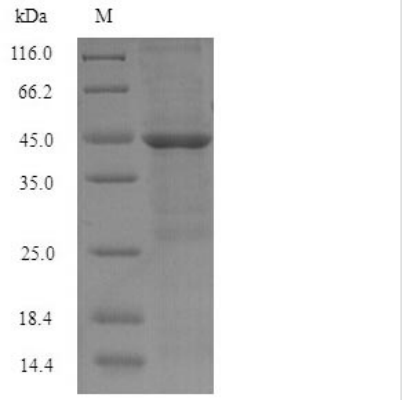
Recombinant Human Hyaluronan-binding protein 2 (HABP2), partial

Product Code	CSB-EP617919HU(A4)
Relevance	Cleaves the alpha-chain at multiple sites and the beta-chain between 'Lys-53' and 'Lys-54' but not the gamma-chain of fibrinogen and therefore does not initiate the formation of the fibrin clot and does not cause the fibrinolysis directly. It does not cleave (activate) prothrombin and plasminogen but converts the inactive single chain urinary plasminogen activator (pro-urokinase) to the active two chain form. Activates coagulation factor VII.
Abbreviation	Recombinant Human HABP2 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.	Q14520
Alias	Factor VII-activating proteaseFactor seven-activating protease ;FSAPHepatocyte growth factor activator-like protein;Plasma hyaluronan-binding protein
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	IYGGFKSTAGKHPWQASLQSSLPLTISMPQGHFCGGALIHPCWVLTAAHCTDI KTRHLKVVLGDQDLKKEEFHEQSFRVEKIFKYSHYNERDEIPHNDIALLKLKPV DGHCALESKYVKTVCLPDGSFPSGSECHISGWGVTETGKGSRQLLDAKVKLIA NTLCNSRQLYDHMIDDSMICAGNLQKPGQDTCQGDSGGPLTCEKDGTYYVY GIVSWGLECGKRPGVYTQVTKFLNWIKATIKSESGF
Research Area	Cardiovascular
Source	E.coli
Target Names	HABP2
Expression Region	314-560aa
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	43.3kDa
Protein Length	Partial
Image	



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

Description

The expression region of this recombinant Human HABP2 covers amino acids 314-560. This HABP2 protein is theoretically predicted to have a molecular weight of 43.3 kDa. This HABP2 recombinant protein is manufactured in e.coli. Fusion of the N-terminal 6xHis-SUMO tag into the HABP2 encoding gene fragment was conducted, allowing for easier detection and purification of the HABP2 protein in subsequent stages.

Human hyaluronan-binding protein 2 (HABP2) serves various functions, including its role in coagulation, fibrinolysis, and extracellular matrix interactions. As a serine protease, HABP2 participates in blood clotting regulation, influencing thrombosis and hemostasis. In cancer research, HABP2 is implicated in tumor progression and metastasis, serving as a potential biomarker. In cardiovascular studies, it plays a role in arterial thrombosis. Additionally, HABP2 is linked to skin aging and wound healing. Investigating HABP2 contributes to understanding its multifaceted roles in physiological processes and offers potential insights for developing therapeutic strategies in coagulation disorders, cancer, cardiovascular diseases, and skin-related conditions.

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

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