

HABP2 Protein, Human (HEK293, His)

Cat. No.:	HY-P70832
Synonyms:	Hyaluronan-binding protein 2; Factor VII-activating protease; Factor seven-activating protease; Hepatocyte growth factor activator-like protein; Plasma hyaluronan-binding protein
Species:	Human
Source:	HEK293
Accession:	Q14520-1 (F24-Q279)
Gene ID:	3026
Molecular Weight:	35-40 kDa

PROPERTIES

AA Sequence	<pre> F S L M S L L E S L D P D W T P D Q Y D Y S Y E D Y N Q E E N T S S T L T H A E N P D W Y Y T E D Q A D P C Q P N P C E H G G D C L V H G S T F T C S C L A P F S G N K C Q K V Q N T C K D N P C G R G Q C L I T Q S P P Y Y R C V C K H P Y T G P S C S Q V V P V C R P N P C Q N G A T C S R H K R R S K F T C A C P D Q F K G K F C E I G S D D C Y V G D G Y S Y R G K M N R T V N Q H A C L Y W N S H L L L Q E N Y N M F M E D A E T H G I G E H N F C R N P D A D E K P W C F I K V T N D K V K W E Y C D V S A C S A Q </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 or 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>HABP2, a multifunctional protein, exhibits proteolytic activity by cleaving the alpha-chain at multiple sites and the beta-chain between 'Lys-53' and 'Lys-54' of fibrinogen, while sparing the gamma-chain, thereby preventing direct initiation of fibrin clot formation and fibrinolysis. Notably, HABP2 does not activate prothrombin and plasminogen but facilitates the conversion of pro-urokinase to its active two-chain form. Additionally, it serves as an activator of coagulation factor VII. Beyond its role in hemostasis, HABP2 may act as a tumor suppressor, exerting negative regulation on cell proliferation and</p>
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migration. Structurally, HABP2 exists as a heterodimer, with a 50 kDa heavy chain and a 27 kDa light chain linked by a disulfide bond.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA