

Recombinant Human HABP2 protein, His-tagged

Cat. No. HABP2-21H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HABP2(Met1-Gln279) fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-279 a.a.
Description	Hyaluronan-binding protein 2HABP2 is an extracellular serine protease which binds hyaluronic acid. It secreted as an inactive single-chain precursor and is then activated to a heterodimeric form, which consists of a 50 kDa heavy and a 27 kDa light chain linked by a disulfide bond. HABP2 is involved in cell adhesion, it can cleave the alpha-chain at multiple sites and the beta-chain between 'Lys-53' and 'Lys-54' , but not the gamma-chain of fibrinogen. As a result of this, it does not initiate the formation of the fibrin clot and does not cause the fibrinolysis directly. It does not cleave prothrombin and plasminogen but converts the inactive single chain urinary plasminogen activator to the active two chain form, activates coagulation factor VII.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 .
AA Sequence	MFARMSDLHVLLLMALVGKTACGFSLMSLLESLDAPDWTPDQYDYSYEDYNQEENT SSTLTHAENP DWYYTEDQADPCQPNPCEHGGDCLVHGSTFTCSCLAPFSGNKCQ KVQNTCKDNPCGRGQCLITQS PPYYRCVCKHPYTGPSCSQVVPVCRPNPCQNGA TCSRHKRRSKFTCACPDQFKGKFCEIGSDDCY VGDGYSYRGKMNRTVNQHACLY

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	WNSHLLLQENYNMFMEDAETHGIGEHNFCRNPDADKPKWCFIK VTNDKVKWEYC DVSACSAQAVDHHHHHH
Endotoxin	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	HABP2 hyaluronan binding protein 2 [Homo sapiens]
Official Symbol	HABP2
Synonyms	HABP2; hyaluronan binding protein 2; hyaluronan-binding protein 2; factor VII activating protein; FSAP; HABP; HGFAL; PHBP; plasma hyaluronan binding protein; factor VII-activating protease; factor seven-activating protease; hyaluronic acid binding protein 2; plasma hyaluronan-binding protein; hepatocyte growth factor activator-like protein;
Gene ID	3026

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mRNA Refseq	NM_001177660
Protein Refseq	NP_001171131
MIM	603924
UniProt ID	Q14520
Chromosome Location	10q25.3
Function	glycosaminoglycan binding; peptidase activity; serine-type endopeptidase activity;
	