

Product datasheet for **RC206545**

HABP2 (NM_004132) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HABP2 (NM_004132) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HABP2
Synonyms:	FSAP; HABP; HGFAL; NMTC5; PHBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC206545 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGGCAGGATGTCTGATCTCCATGTTCTGCTGTTAATGGCTCTGGTGGAAAGACAGCCTGTGGGT
 TCTCCCTGATGTCTTTATTGAAAAGCCTGGACCCAGACTGGACCCCTGACCAAGTATGATTACAGCTACGA
 GGATTATAATCAGGAAGAGAACCACAGTAGCACACTTACCCACGCTGAGAATCCTGACTGGTACTACACT
 GAGGACCAAGCTGATCCATGCCAGCCAAACCCCTGTGAACACGGTGGGGACTGCCTCGTCCATGGGAGCA
 CCTTCACATGCAGCTGCCTGGCTCCTTTCTCTGGGAATAAGTGTGAGAAAGTGCAAAATACGTGCAAGGA
 CAACCCATGTGGCCGGGGCCAATGTCTCATTACCCAGAGTCTCCCTACTACCGTGTGTCTGTAACAC
 CCTTACACAGGTCCCAGCTGCTCCCAAGTGGTTCCTGTATGCAGGCCAAACCCCTGCCAGAATGGGGCTA
 CCTGCTCCCGCATAAAGCGGAGATCCAAGTTCACCTGTGCCTGTCCCGACCAGTTCAGGGGAAATCTG
 TGAAATAGGTTCTGATGACTGCTATGTTGGCGATGGCTACTCTTACCGAGGGAAAATGAATAGGACAGTC
 AACCAGCATGCGTGCCTTACTGGAACCTCCACCTCCTTTCAGGAGAATTACAACATGTTTATGGAGG
 ATGCTGAAACCCATGGGATTGGGGAACACAATTTCTGCAGAAACCCAGATGCGGACGAAAAGCCCTGGTG
 CTTTATTAAGGTTACCAATGACAAGGTGAAATGGGAATACTGTGATGTCTCAGCCTGCTCAGCCCAGGAC
 GTTGCCTACCCAGAGGAAAGCCCACTGAGCCATCAACCAAGTTCGGGGTTTACTCCTGTGGAAAGA
 CTGAGATAGCAGAGAGGAAGATCAAGAGAATCTATGGAGGCTTAAAGACACGGCGGGCAAGCACCCATG
 GCAGGCGTCCCTCCAGTCTCGCTGCCTCTGACCATCTCCATGCCCCAGGGCCACTTCTGTGGTGGGGCG
 CTGATCCACCCCTGCTGGGTGCTCACTGCTGCCACTGCACCCACATAAAAACCAGACATCTAAAGGTGG
 TGCTAGGGGACCAGGACTGAAGAAAAGAATAATTCATGAGCAGAGCTTAAAGGTGGAAAGATTTCAA
 GTACAGCCACTACAATGAAAGAGATGAGATTCGCCACAATGATATTGCATTGCTCAAGTTAAAGCCAGTG
 GATGGTCACTGTCTCTAGAATCCAATACGTGAAGACTGTGTGCTTGCCTGATGGGTCCTTCCCTCTG
 GGAGTGAGTGCCACATCTCTGGCTGGGGTGTACAGAAACAGGAAAAGGGTCCCAGCAGCTCCTGGATGC
 CAAAGTCAAGCTGATTGCCAACACTTTGTGCAACTCCCGCAACTCTATGACCACATGATTGATGACAGT
 ATGATCTGTGCAGGAAATCTTCAGAAACCTGGGCAAGACACCTGCCAGGGTACTCTGGAGGCCCTCTGA
 CCTGTGAGAAGGACGGCACCTACTACGTCTATGGGATAGTGAGCTGGGGCCTGGAGTGTGGGAAGAGGCC
 AGGGGTCTACACCAAGTTACCAAAATTCCTGAATTGGATCAAAGCCACCATCAAAGTGAAGTGGCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206545 protein sequence
 Red=Cloning site Green=Tags(s)

MFARMSDLHVLLLMALVGKTACGFSLMSLLES�DPDWPDPQYDYSYEDYNQEENTSSSTLTHAENPDWYYT
 EDQADPCQPNPCEHGGDCLVHGSTFTCSCLAPFSGNKCQKQVQNTCKDNPCGRGQCLITQSPYYRCVCKH
 PYTGPCSQVVPVCRPNPCQNGATCSRHKRRSKFTCACPDQFKGKFCIEIGSDDCYVGDGYSYRGKMNRTV
 NQHACLYWNHLLQENYNMFEDAETHGIGEHNF CRNPDADEKPWCFIKVTNDKVKWEYCDVSACSAQD
 VAYPEESPTEPSTKLPGFDSGKTEIAERKIKRIYGGFKSTAGKHPWQASLQSSLPLTISMPQGHFCGGA
 LIHPCWVLTAAHCTDIKTRHLKVVLDQDLKKEEFHEQSFVEKIFKYSHYNERDEIPHNDIALLKLPV
 DGHCALESKYVKTVCLPDGSFPGSECHISGWGVTETGKGSRQLLDAKVKLIANTLCNSRQLYDHMIDDS
 MICAGNLQKPGQDTCQDSSGGPLTCEKDGTYVVYGVISWGLECGKRPVVYTVTKFLNWIKATIKSESFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6017_f02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_004132

ORF Size: 1680 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_004132.5](#)

RefSeq Size: 3019 bp

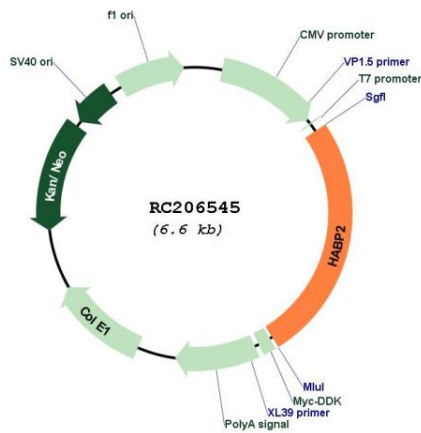
RefSeq ORF: 1683 bp

Locus ID: 3026

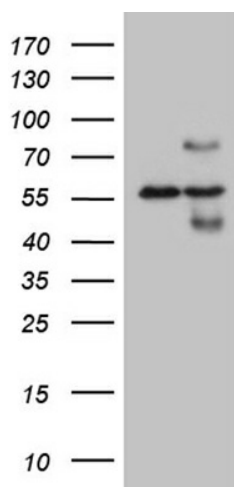
UniProt ID: [Q14520](#)

Cytogenetics: 10q25.3
Domains: KR, Tryp_SPc, EGF, EGF
Protein Families: Druggable Genome, Protease, Secreted Protein
MW: 62.7 kDa
Gene Summary: This gene encodes a member of the peptidase S1 family of serine proteases. The encoded preproprotein is secreted by hepatocytes and proteolytically processed to generate heavy and light chains that form the mature heterodimer. Further autoproteolysis leads to smaller, inactive peptides. This extracellular protease binds hyaluronic acid and may play a role in the coagulation and fibrinolysis systems. Mutations in this gene are associated with nonmedullary thyroid cancer and susceptibility to venous thromboembolism. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]

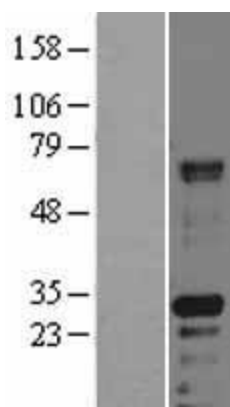
Product images:



Circular map for RC206545



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HABP2 (Cat# RC206545, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HABP2 (Cat# [TA809299])(1:500). Positive lysates [LY401333] (100ug) and [LC401333] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY401333]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206545 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).