

## Product datasheet for **SC321802**

### **HABP2 (NM\_004132) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HABP2 (NM_004132) Human Untagged Clone
Tag:	Tag Free
Symbol:	HABP2
Synonyms:	FSAP; HABP; HGFAL; NMTC5; PHBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_004132.2  
 CTGACATTTTTCCCCCTAAAGGCATAGACAACAAAAGAAATTTTATTGAGAGGAAAACA  
 CAAGTCCTTAAACTGCAAAGATGTTTGCCAGGATGTCTGATCTCCATGTTCTGCTGTTAA  
 TGGCTCTGGTGGGAAAGACAGCCTGTGGGTTCTCCCTGATGTCTTTATTGGAAAGCCTGG  
 ACCCAGACTGGACCCCTGACCAGTATGATTACAGCTACGAGGATTATAATCAGGAAGAGA  
 ACACCAGTAGCACACTTACCCACGCTGAGAATCCTGACTGGTACTACACTGAGGACCAAG  
 CTGATCCATGCCAGCCCAACCCCTGTGAACACGGTGGGACTGCCTCGTCCATGGGAGCA  
 CCTTCACATGCAGCTGCCTGGCTCCTTTCTCTGGGAATAAGTGTGAGAAAGTGCAAAATA  
 CGTGCAAGGACAACCCATGTGGCCGGGGCAATGTCTCATTACCCAGAGTCTCCCTACT  
 ACCGCTGTGTCTGTAACACCCCTTACACAGGTCCCAGCTGCTCCCAAGTGGTTCTCTGTAT  
 GCAGGCCAAACCCCTGCCAGAATGGGGCTACCTGCTCCCGGCATAAGCGGAGATCCAAGT  
 TCACCTGTGCCTGTCCCGACCAGTTCAAGGGGAAATTCTGTGAAATAGGTTCTGATGACT  
 GCTATGTTGGCGATGGCTACTCTTACCGAGGGAAAATGAATAGGACAGTCAACCAGCATG  
 CGTGCCTTACTGGAACCTCCACCTCCTTTCAGGAGAATTACAACATGTTTATGGAGG  
 ATGCTGAAACCCATGGGATTGGGGAACACAATTTCTGCAGAAACCCAGATGCGGACGAAA  
 AGCCCTGGTGCTTATTAAAGTTACCAATGACAAGGTGAAATGGGAATACTGTGATGTCT  
 CAGCCTGCTCAGCCCAGGACGTTGCCTACCCAGAGGAAAGCCCACTGAGCCATCAACCA  
 AGCTTCCGGGGTTTGACTCCTGTGAAAGACTGAGATAGCAGAGAGGAAGATCAAGAGAA  
 TCTATGGAGGCTTTAAGAGCACGGCGGGCAAGCACCCATGGCAGGCGTCCCTCCAGTCTCT  
 CGCTGCCTCTGACCATCTCCATGCCCAAGGGCCACTTCTGTGGTGGGGCCTGATCCACC  
 CCTGCTGGGTGCTCACTGCTGCCACTGCACCGACATAAAAACCAGACATCTAAAGGTGG  
 TGCTAGGGGACCAGGACCTGAAGAAAGAAGAATTCATGAGCAGAGCTTTAGGGTGGAGA  
 AGATATTTCAAGTACAGCCACTACAATGAAAGAGATGAGATTCCCCACAATGATATTGCAT  
 TGCTCAAGTTAAAGCCAGTGGATGGTCACTGTGCTCTAGAATCCAATACGTGAAGACTG  
 TGTGCTTGCCTGATGGGTCTTTCCCTCTGGGAGTGAGTGCCACATCTCTGGCTGGGGTG  
 TTACAGAAACAGGAAAAGGGTCCCGCCAGCTCCTGGATGCCAAAGTCAAGCTGATTGCCA  
 ACACCTTTGTGCAACTCCCGCAACTCTATGACCACATGATTGATGACAGTATGATCTGTG  
 CAGGAAATCTTCAGAACTGGGCAAGACACTGCCAGGGTACTCTGGAGGCCCTCGA  
 CCTGTGAGAAGGACGGCACCTACTACGTCTATGGGATAGTGAGCTGGGGCCTGGAGTGTG  
 GGAAGAGGCCAGGGTCTACACCAAGTTACCAAATCCTGAATTGGATCAAAGCCACCA  
 TCAAAAGTGAAAGTGGCTTCTAAGTACTGTCTTCTGGACCTCAGAGCCCACTCTCCTTG  
 GCACCCTGACACCGGGAGGCCTCATGGCCAACAATGGACACCTCCAGAGCCTCCAGGGGA  
 CCACACAGTAGACTATCCCTACTCTAAGCAGAGACAACCTGCCACCCAGCCTGGGCCTTCC  
 CAGACCAGCATTTGCACAATATCACCAGGCTTCTTCTGCCTCCCTTGGTAACCCAAGGAA  
 TGATGGAATCAACACAACATAGTATGTTTGCTTTCCTTACCCAATTGTACCTTCTAGAAA  
 ATCAGTGTTCACAGAGACTGCCTTACCACAGGCATCCTGCAATGCAGACTCCAGAATC  
 CCCAGCATCAGCGGGAACCACCATCACATCTTTATTCCTCAGCCCAGACTCGAGGCAC  
 TCAACAGAATCAGCCATCCAGTCTAGGTATCAGAGAGGACCACAATACAACATTCTCC  
 ATCTGCAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_004132

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_004132.2</a></u> , <u><a href="#">NP_004123.1</a></u>
<b>RefSeq Size:</b>	3008 bp
<b>RefSeq ORF:</b>	1683 bp
<b>Locus ID:</b>	3026
<b>UniProt ID:</b>	<u><a href="#">Q14520</a></u>
<b>Cytogenetics:</b>	10q25.3
<b>Domains:</b>	KR, Tryp_SPc, EGF, EGF
<b>Protein Families:</b>	Druggable Genome, Protease, Secreted Protein
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>