

Product datasheet for **SC100421**

HABP4 (NM_014282) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HABP4 (NM_014282) Human Untagged Clone
Tag: Tag Free
Symbol: HABP4
Synonyms: IHABP-4; IHABP4; Ki-1/57; SERBP1L
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene ORF within SC100421 sequence for NM_014282 edited (data generated by NextGen Sequencing)

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ATGAAGGGCGCTCTGGGGAGTCCCGTGGCTGCCGCTGGCGCCCGATGCAGGAGAGTTTC
GGCTGCGTGGTGGCCAACCGCTTCCATCAGCTGCTGGACGACGAGTCGGACCCGTTTCGAC
ATCCTGCGCGAGGCCGAGCGCCGCGCCAGCAGCAGCTGCAGCGCAAGAGCGCGACGAG
GCGGGCGGCGGGCCGGGGCCGGTCCCCGCGGGCAGGAGCCAGCCGGGGCCTCGGGC
CACAGAGCCGGCGGGCGGGCGGGAGGGAGTTCGAGAAGGAGCGCAAGAGCCTCCCGCG
CCCGTCTGCTCAGCGGCCGATAGCCCCGGGGCGGCTGCAGGCGCCGGGCCAGAAGCGG
ACTCCTAGAAGAGGGGAGCAGCAAGGATGGAATGACAGCCGTGGCCGGAGGGGATGCTC
GAAAGAGCTGAGCGGAGATCCTACAGGGAATACCGACCTATGAGACAGAGAGGCAGGCA
GACTTCACAGCTGAGAAGTTTCCAGATGAAAAACCAGGTGATAGGTTTGATCGAGACAGA
CCGTTGAGAGGACGTGGAGGCCCGAGAGGGGTATGCGCGCAGAGGCAGAGGTGGCCCT
GGGAACAGAGTTTTTGACGCTTTTGACCAGAGAGGAAAGCGAGAATTTGAAAGATATGGT
GGGAATGACAAAATAGCAGTCAGAACTGAAGACAACATGGGTGGATGTGGAGTTCGAACC
TGGGGATCGGGTAAAGATACAGTGATGTGGAGCCAACCTGCACCGATGGAGGAACCCACA
GTGGTGGAGGAGTCCCAGGGCACCCGGAAGAGGAGTCTCCAGCCAAAGTTCTGAGTTG
GAGGTAGAAGAAGAAACCAAGTTCAAGAGATGACTTTAGATGAGTGGAAAAATCTTCAA
GAACAGACCAGACCAAAGCCTGAGTTTAAACATCCGGAACCCAGAAATCCACTGTTCCCTTC
AAAGCCGTGGTGATTCACAAGTCAAAATACAGAGATGATATGGTAAAAGATGACTATGAG
GACGATTCATGTTTTCCGAAAACCCGCAATGACATCACATCCAGCTGGAGATTAAT
TTTGTTAACCTCCCTCGTCTGGCGTGGAGCCAGAGGAGGCACCCGGGAGGCCGGGGA
AGGATCAGGAGGCGAGAACTATGGACCCAGAGCAGAAGTGGTATGCAAGATGTTGCC
CCCAACCCAGATGACCCGAAGATTTCCCTGCGCTGTCTTGA
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Clone variation with respect to NM_014282.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014282 unedited CCCC GTT CGA ATTT GTATAC GACTCAT ATAGGCGGCCGCGAAATCGGCACCAGGCGGCAT GAAGGGCGCTCTGGGGAGTCCC GTGGCTGCCGTGGCGCCGCGATGCAGGAGAGTTTCGG CTGCGTGGTGGCAACCGCTTCCATCAGCTGCTGGACGACGAGTCGGACCCGTTTCGACAT CCTGCGCAGGGCCGAGCGCCGGCCAGCAGCAGCTGCAGCGCAAGAGGCGCGACGAGGC GGCGGCGGCGGCGGGCCGGTCCCCGCGCGGCGAGGAGCCAGCCGCGGGCCCTCGGGCCA CAGAGCCGGCGCGGGCCGGAGGGAGTCCGAGAAGGAGCGCAAGAGCCTCCCCGCGCC CGTCGCTCAGCGCCCGATAGCCCCGGGGCGGCTGCAGGCGCCGGCCAGAAGCGGAC TCCTAGAAGAGGGGAGCAGCAAGGATGGAATGACAGCCGTGGGCCGAGGGGATGCTCGA AAGAGCTGAGCGGAGATCCTACAGGGAATACCGACCCTATGAGACAGAGAGGCAGGCAGA CTTACAGCTGAGAAGTTCCAGATGAAAAACCAGGTGATANGTTTGATCGAGACAGAC CGTTGAGAGGACGTGGAGGCCGAGAGGGGTATGCGCGCAGAGGCAGAGGTGGCCCTG GGAACCGAGTTTTGACGCTTTGACCAGAGAGAAAGCGAGAATTTGAAAGATATGGTG GGAATGACAAAATAGCAGTCAGAACTGAGACACATGGTTGATAGTGGAAAGTCCACCT GGGGATCGGGTACAGAACCTATGATGTGAAGCCACTGCACGAGNGGACCTACGGGGGGG AGGGAGGTCCAGGCACCCTGTAAGAGAGTCTCCGCCAAGTCTTGAATTGGGGGAACAAC AAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014282 unedited NNNAAATGACTTGNACCGCGCCCGCTTCTNCTANNGATCGATTTTTTTTTTTTTTTTTTTT GGAAGTCAATTGATTTTAATTTCTTGGTCTCCGAAAACCAGCTGTGACTGCTTTCCAT TAACAGTCCAGCTCTATGTGTTTCTCTAACGCTAAAGGCACAGCCCCGGGAATCTAC TGCTTCTAAGAGTCTCCATGGAGTCTATTTTACAACCTCCTTTCCCTCCATGCTCCGC GGAGGAGTCTATACTATCTCTATATACATTTTAAACATTATTCTTCAATTTGAAATTC TTCAATAAAAACACAGTCACCATTCTTCTCTTGGGAAATGGCTGCTCTCGAGCCT CTGGAGAAGCCCCCTAACAGCTCAGCCAAAAAAGTGCAACAAATTTACATGACACGGG AAAAGCAACATCTATTGTTCTTAGAGTCTGACTCCCTTGGCCAGCTGGAAAAGTCTCC CACAGGTGTGCAGTGCAGCTCCGCGGTGCTGGGAAACAGGGCTCTTTCAAGACAGCGCAG GGAAATCTTCCGGGTCACTGGGTTGGGGGCAACATCTGCATCACC ACTTCTGCTCTGG GTCCATAGTTCTCTGCCCTCTGATCCTTCCCCGGCTCCCCGGGTGCCTCCTCTGGCTC CACGCCAGGACGAGGGAGGTTACCAAAATTAATCTCCAGCTGGGATGTGATGTCATTGG CGGGTTTCCGAAAACATGGGAATCGTCCTCATAGTCATCTTTTACCATATCATCTCTGT ATTTTGACCTGTGAATCACCACGGCTTTTGAAGGAACAGTGGAATCTGGGTTCCCGGATG TTAACCTAGGCTTTGGTCTGGNTCTGTTCTTGAAGATTTTCCCTCTCTAAAGTCATCT CTTGAACTGGGGTTCCTTCTCTACCTCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_014282
Insert Size:	2000 bp
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).
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:	<ol style="list-style-type: none">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:	<u>NM_014282.1, NP_055097.1</u>
RefSeq Size:	1799 bp
RefSeq ORF:	1242 bp
Locus ID:	22927
UniProt ID:	<u>Q5JVS0</u>
Cytogenetics:	9q22.32
Domains:	HABP4_PAI-RBP1
Gene Summary:	RNA-binding protein that plays a role in the regulation of transcription, pre-mRNA splicing and mRNA translation (PubMed:14699138, PubMed:16455055, PubMed:19523114, PubMed:21771594). Negatively regulates DNA-binding activity of the transcription factor MEF2C in myocardial cells in response to mechanical stress (By similarity). Plays a role in pre-mRNA splicing regulation (PubMed:19523114). Binds (via C-terminus) to poly(U) RNA (PubMed:19523114). Involved in mRNA translation regulation, probably at the initiation step (PubMed:21771594). Seems to play a role in PML-nuclear bodies formation (PubMed:28695742).[UniProtKB/Swiss-Prot Function]