

Product datasheet for SC319052

HSPBP1 (NM_012267) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HSPBP1 (NM_012267) Human Untagged Clone
Tag: Tag Free
Symbol: HSPBP1
Synonyms: FES1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_012267.3
GCAGAGTCAGGTGCGGACGACTTTGTCTGTAGGAGCAGCGCGGCTTGAGGACCCGGGA
GACCTCAAGAATCGACCCATCAGGACGCCAGAGCTGCTTCAGCGGTGACCACCTTCTCC
CTTAACACATTCTTCCCTTCTTCAAAACGGCCATGTAGACGAAGGCTCAAGGGGA
GCCGCTGCCCTGGCGCTGCCCGGCTCCAGGGTTGCTTTCAGGGGGCGCGCGG
GCGGCTCTCGGCTGGGGCTCGGGCAATCCCGCCCCACGAACTCCAAGGCTTGC
TGCAGATGGCCATCACCGCGGCTCTGAAGAGCCAGACCTCCTCCAGAACCGATGAGTG
AGGAGAGGCGTCAGTGGCTGCAGGAGGCCATGTCGGCTGCCTCCGAGGCCAGCGGGAGG
AGGTGGAGCAGATGAAGAGCTGCCTCCGAGTGTGTACAGCCCATGCCCCACTGCTG
GGGAGGCCGAGCAGCGCGCCGACCAGCAAGAGCGAGAGGGGGCCCTGGAGCTGCTGGCCG
ACCTGTGTGAGAACATGGACAATGCCGAGACTTCTGCCAGCTGTCTGGCATGCACCTGC
TGGTGGGCCGGTACCTGGAGCGGGGGCTGCGGGACTGCGGTGGCGGGCGGCACAGCTCA
TCGGCACGTGCAGTCAGAACGTGGCAGCCATCCAGGAGCAGGTGCTGGGCTGGGTGCC
TGCGTAAGCTGCTGCGGCTGCTGGACCGCGACGCTGCGACACGGTGCAGCTCAAGGCC
TCTTCGCATCTCCTGTCTGGTCCGAGAGCAGGAGGCTGGGCTGCTGCAGTTCCTCCGCC
TGGACGGCTTCTCTGTGTGATGAGGGCCATGCAGCAGAGGTGCAGAAGCTCAAGGTCA
AATCAGCATTCTGCTGCAGAACCTGCTGGTGGCCACCCTGAACACAAAGGGACCCTGT
GCTCCATGGGGATGGTCCAGCAGCTGGTGGCCCTGGTGGGACAGAGCACAGCCCTTCC
ACGAGCACGTGCTTGGAGCCCTGTGCAGCCTGGTGCAGACTTCCGAGGGTGTGCGCG
AGTGTGCGGAGCCGAACTGGGCTGGAGGAGCTCCTCCGCCACCGCTGTAGCTGCTGC
AGCAGCATGAGGAGTACCAGGAGGAGCTGGAGTCTGTGAAAAGTGTACAGACCTGTT
TCTCCAGCCAGCGGACGACAGCATGGATCGGTGAAACCAGGTGGCTTCTTGCCCTTCC
TCCGTGGAAACCCAGGCCTCTTGCCTCCCTCCACCTACAAGGCCCTCTCCAAGGGA
TCGAGGGCTAGGTGCCTGGACCCAGGGTGTGCCAGCCGCTCTGTGCAGTCCCTGGA
AGGGCGCTGAGAAAGGCCAGCTCCTTGGACCCACCTCCCATGCTCTCACTCTCATC
CCCCTTCTTGTCCACACAGCTCTTCAATAAAGGTGTTTCTCTCAAAAAAAAAAAAAA
AA



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Restriction Sites:	Please inquire
ACCN:	NM_012267
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.
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:	NM_012267.3 , NP_036399.3
RefSeq Size:	1559 bp
RefSeq ORF:	1080 bp
Locus ID:	23640
UniProt ID:	Q9NZL4
Cytogenetics:	19q13.42
Gene Summary:	<p>Inhibits HSPA1A chaperone activity by changing the conformation of the ATP-binding domain of HSPA1A and interfering with ATP binding. Interferes with ubiquitination mediated by STUB1 and inhibits chaperone-assisted degradation of immature CFTR.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 3. Variants 1 and 2 encode the same isoform (2), which has a shorter N-terminus, compared to isoform 1.</p>