

Product datasheet for SC324992

HSPBP1 (NM_001130106) Human Untagged Clone

Product data:

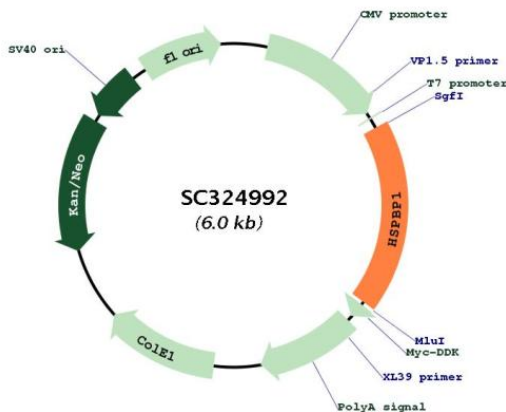
Product Type:	Expression Plasmids
Product Name:	HSPBP1 (NM_001130106) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPBP1
Synonyms:	FES1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324992 representing NM_001130106. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCAGACGAAGGCTCAAGGGGAGCCGCTGCCCTGGCGCTGCCCGGCTCCAGGGTTGCTCT
TCAGGGGGCGGCGGGCGGCTCCTCGGCTGGGGCTCGGCAATCCCGGCCCCACGCAACCTCCAA
GGCTTGTGCAGATGGCCATCACCGGGCTCTGAAGAGCCAGACCCTCCTCCAGAACCGATGAGTGAG
GAGAGGCGTCAGTGGCTGCAGGAGGCCATGTCGGCTGCCTCCGAGGCCAGCGGGAGGAGGTGGAGCAG
ATGAAGAGCTGCCTCCGAGTGTGTACAGCCCATGCCCCCACTGCTGGGAGGCCGAGCAGGCGGCC
GACCAGCAAGAGCGAGAGGGGGCCCTGGAGCTGCTGGCCGACCTGTGTGAGAACATGGACAATGCCGCA
GACTTCTGCCAGCTGTCTGGCATGCACCTGCTGGTGGCCGGTACCTGGAGGCGGGGGCTGCGGGACTG
CGGTGGCGGGCGGCACAGCTCATCGGCAGTGCAGTCAGAACGTGGCAGCCATCCAGGAGCAGGTGCTG
GGCCTGGGTGCCCTGCCTAAGCTGCTGCGGCTGCTGGACCGCAGCGCTGCGACACGGTGCAGCTCAAG
GCCCTCTCGCCATCTCCTGTCTGGTCCGAGAGCAGGAGGCTGGGCTGCTGCAGTTCTCCGCTGGAC
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CTGCAGAACCTGCTGGTGGGCCACCCTGAACACAAAGGGACCCTGTGCTCCATGGGGATGGTCCAGCAG
CTGGTGGCCCTGGTGGGACAGAGCACAGCCCCCTCCACGAGCACGTGCTGGAGCCCTGTGCAGCCTG
GTGACAGACTTCCGAGGGTGTGCGCAGTGTGCGGAGCCGGAACCTGGGCTGGAGGAGTCCCTCCGC
CACCGCTGTAGCTGCTGCAGCAGCATGAGGAGTACCAGGAGGAGCTGGAGTTCTGTGAAAAGCTGCTA
CAGACCTGTTTCTCCAGCCAGCGGACGACAGCATGGATCGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001130106

Insert Size: 1080 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).

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:

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_001130106.1](#)

RefSeq Size: 1816 bp

RefSeq ORF: 1080 bp

Locus ID: 23640

UniProt ID: [Q9NZL4](#)

Cytogenetics: 19q13.42

MW: 39.3 kDa

Gene Summary: 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]

Transcript Variant: This variant (2) 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.