

Product datasheet for **SC215535**

HSBP1 (NM_001537) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	HSBP1 (NM_001537) Human 3' UTR Clone
Symbol:	HSBP1
Synonyms:	NPC-A-13
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001537
Insert Size:	2000 bp



[View online »](#)

Insert Sequence: >SC215535 3'UTR clone of NM_001537
The sequence shown below is from the reference sequence of NM_001537. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACCAAGATACCTGCCACGCAAAAGAGTTGAAGGTTGCTAATAATTTATACTGGAATCTGGCATTTCCTCC
AAGCCAAGAGAAGATCGAATGGCTTTTTGAGCTAACTACTATGTGTAGACAGGTTTATATTATAAAG
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ATCTTCACATCTTGGACCTTGGTCAGTTGTGCTATTATTATAAACTAAACTTTGGCGGTTCTTG
CATAACATTGTCAGATTTTTAGTGATTTCTGTGAAGTCATTTTTTTCTTGTCATTCTTTTGTAGT
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TGCTGTATACAAATTACATGGGGAACATAAAGGAGTGAGATCCTTCTGTGATAAAATGAATTCACCACT
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TGCCCCACACACTGCAGCATTGACCAGACCATCCGAAACCTGCGTCCCTGGTGTGTTCTCAAGCCT
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TGGCATTGCAGGAGACTTGTCTCAGGTGTGTTCCAGAACTCTTGCCCTGGAGATGCTGCAGGAAGGA
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TCTGAAAGTAGAGCAGAGAACTCAGCTTTAACCTGCTCACCTGCTAGTTTTCGAGGTCTCGCTCTGTT
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001537.4](#)

Summary:

The heat-shock response is elicited by exposure of cells to thermal and chemical stress and through the activation of HSFs (heat shock factors) results in the elevated expression of heat-shock induced genes. Heat shock factor binding protein 1 (HSBP1), is a 76-amino-acid protein that binds to heat shock factor 1(HSF1), which is a transcription factor involved in the HS response. During HS response, HSF1 undergoes conformational transition from an inert non-DNA-binding monomer to active functional trimers. HSBP1 is nuclear-localized and interacts with the active trimeric state of HSF1 to negatively regulate HSF1 DNA-binding activity. Overexpression of HSBP1 in mammalian cells represses the transactivation activity of HSF1. When overexpressed in C.elegans HSBP1 has severe effects on survival of the animals after thermal and chemical stress consistent with a role of HSBP1 as a negative regulator of heat shock response. [provided by RefSeq, Jul 2008]

Locus ID:

3281

MW:

75.6