

Product datasheet for **RR211803**

Hsbp1 (NM_173119) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Hsbp1 (NM_173119) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Hsbp1

Synonyms: Hsp25

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide Sequence: >RR211803 representing NM_173119
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGAGACGGACCCCAAGACAATGCAGGACATCACCTTGGTGGTGGAGACGCTCTTGCAGCAGATGC
AAGACAAGTTTCAGATTATGTCCGATCAGATCATCGGAAGGATCGATGACATGAGCAGCCGAATCGATGA
CCTGGAGAAAAATATCGCTGACCTCATGACCCAGGCTGGAGTAGAAGAACTGGACGCTGAGAACAAGATT
CCTACTGCCCAAGAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211803 representing NM_173119
Red=Cloning site Green=Tags(s)

MAETDPKTMQDITLVVETLLQQMQDKFQIMSDQIIGRIDDMSSRIDDLKNIADLMTQAGVEELDAENKI
PTAQKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_173119.2</u> , <u>NP_775142.1</u>
RefSeq Size:	1201 bp
RefSeq ORF:	231 bp
Locus ID:	286899
UniProt ID:	<u>Q8K3X8</u>
Cytogenetics:	19q12
MW:	8.6 kDa
Gene Summary:	Negative regulator of the heat shock response. Negatively affects HSF1 DNA-binding activity. May have a role in the suppression of the activation of the stress response during the aging process (By similarity).[UniProtKB/Swiss-Prot Function]