

Product datasheet for RR211803

Hsbp1 (NM_173119) Rat Tagged ORF Clone

Product data:

E. coli Selection:

Product Type: Expression Plasmids

Product Name: Hsbp1 (NM_173119) Rat Tagged ORF Clone

Tag: Myc-DDK
Symbol: Hsbp1
Synonyms: Hsp25

Vector: pCMV6-Entry (PS100001)

Cell Selection: Neomycin

ORF Nucleotide >RR211803 representing NM_173119

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

Kanamycin (25 ug/mL)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CCTACTGCCCAGAAGAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211803 representing NM_173119

Red=Cloning site Green=Tags(s)

 ${\tt MAETDPKTMQDITLVVETLLQQMQDKFQIMSDQIIGRIDDMSSRIDDLEKNIADLMTQAGVEELDAENKI}$

PTAQKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



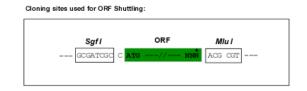
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

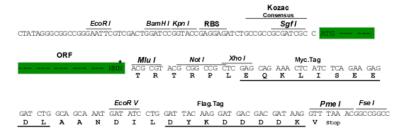
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



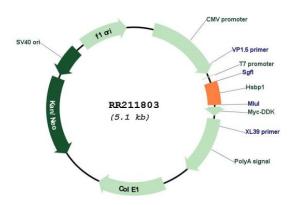
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_173119

ORF Size: 228 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

> reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

ORIGENE

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: 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 173119.2, NP 775142.1

RefSeq Size: 1201 bp RefSeq ORF: 231 bp 286899 Locus ID: **UniProt ID: Q8K3X8** 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]