

Product datasheet for MC207569

Hspbp1 (NM_024172) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hspbp1 (NM_024172) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hspbp1
Synonyms: 1500019G21Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207569 representing NM_024172
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGACAAAGGCTCAGGGGGCAGTCGCTCCCTCTTGCCTCCGGCCTCTCAGGGTTGCTCGT
 CAGGGGGCAGTGGTTCTCGGCGGGGGCTCAGGCAACCCCGGCTCCACGGAACCTCCAAGGCCTGCT
 GCAGATGGCTATTACTGCGGGTCTCAGGAGCCAGACCCCTCCAGAACCATGAGCGAGGAGAGACGC
 CAATGGCTGCAGGAAGCCATGTCGCGCCGCTTCCGGGGCCAGCGAGAGGAGGTGGAGCAGATGAAGAACT
 GCCTCCGGGTCTGTCCAGGCCACACCCGCAATGGCTGGCGAAGCTGAGCTGGCCACTGACCAGCAGGA
 GCGTGAAGGCGCACTAGAGCTGCTGGCAGACCTGTGCGAGAACATGGACAATGCAGCAGATTTCTGCCAG
 CTGTCCAGGCATGCATCTGCTGGTGGGTCGATACCTGGAGGCAGGGGCTGCAGGGCTGCGCTGGAGGGCAG
 CACAACCTCATCGGCACATGCAGTCAGAACGTTGCAGCCATCCAGGAGCAGGTGTTGGGCTTGGGTGCCCT
 GCGCAAGCTACTTCGGCTGCTCGACCGGGACTCCTGCGACACGGTACGAGTCAAGGCTCTCTTCGCCATC
 TCCTGTCTTGTCCGAGAGCAGGAGGCTGGGTTGCTGCAGTTCCTCCGCTGGATGGATTCTCAGTCTGA
 TGCGGGCCATGCAGCAGCAAGTGCAGAAGCTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
 GGGCCACCCTGAGCACAAGGAACCTTTGCTCCATGGGGATGGTCCAGCAGCTGGTGGCCCTTGTGAGG
 ACAGAACACAGTCTTTCCATGAGCATGTGCTTGAGCCCTGTGCAGCCTTGTGACAGATTTCCCTCAGG
 GTTTCGTGAATGCCGGGAGCCTGAGCTGGGCTGGAGGAACTGCTCCGCCACCCTGCCAGCTGCTGCA
 GCAGCGTGAGGAGTACCAGGAGGAGCTGGAGTTCTGTGAAAAGCTGTTACAGACCTGTTTCTAGCCCT
 ACCGACGACAGCATGGATCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_024172



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Insert Size:	1074 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).
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_024172.3</u> , <u>NP_077134.1</u>
RefSeq Size:	1488 bp
RefSeq ORF:	1074 bp
Locus ID:	66245
UniProt ID:	<u>Q99P31</u>
Cytogenetics:	7 A1
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 target proteins (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>