

Product datasheet for MR201921

Hspb8 (NM_030704) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hspb8 (NM_030704) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hspb8
Synonyms: AU018630; AW413033; Cryac; D5Ucla4; E2IG1; H11; H11K; HSP20-like; HSP22
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201921 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGACGGGCAATTGCCTTTCCCGTCTCTACCCAAGCCGCTGCGCCGAGACCCCTTTCGGGACT
 CACCGCTCTCTCCCGCTTCTGGACGATGGCTTTGGCATGGACCCTTTCCAGACGACTTGACAGCCCC
 TTGGCCAGAGTGGGCTTTGCCTCGGCTCTCTCTGCTGGCTGGAACCTAAGGTCTGGCATGGTACCC
 CGAGGGCTCCAGCCACAGCTAGGTTTGGAGTGGCCGCTGAGGGCAGGAGTCCCCACCTTCCCTGGGG
 AGCCTTGAAAGTGTGTGCAACGTGCACAGCTTCAAGCCGGAAGAGCTGATGGTAAAGACCAAGGATGG
 ATACGTGGAAGTTTCAGGCAAACATGAAGAGAAGCAGCAGGAAGGTGGGATTGTCTCCAAGAACTTCAAC
 AAGAAAATACAGCTCCCTGCAGAAGTGGATCCAGCCACTGATTTGCCTCGCTTCTCCAGAGGGCTGC
 TCATCATCGAGGCTCCCCAGGCTCCCTCCGTACTCACCTTTGGAGAGAGCAGCTTCAACAACGAGCTTCC
 TCAAGACAACAGGAAGTCACCTGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201921 protein sequence
 Red=Cloning site Green=Tags(s)

MADGQLPFPCSYPSRLRRDPFRDSPLSSRLDDGFGMDPFPDDL TAPWPEWALPRLSSAWPGTLRSGMVP
 RGPPATARFGVPAEGRSPFPGEVWVVCVNVHFKPEELMVKTKDGYVEVSGKHEEKQQEGGIVSKNFT
 KKIQLPAEVDPATVFASLSPEGLLIIEAPQVPPYSPFGESSFNNELPQDNQEVTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030704

ORF Size: 591 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](#)

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_030704.3](#)

RefSeq Size: 1812 bp

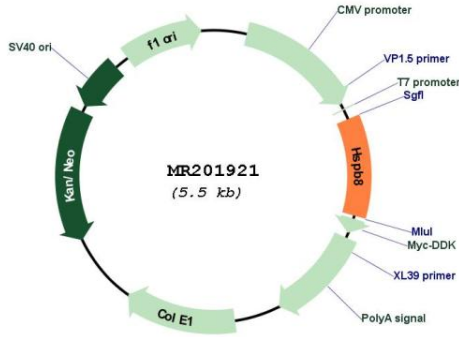
RefSeq ORF: 591 bp

Locus ID: 80888

UniProt ID: [Q9JK92](#)

Cytogenetics: 5 56.41 cM
 MW: 21.5 kDa
 Gene Summary: Displays temperature-dependent chaperone activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201921