

Product datasheet for MC213180

Hspb6 (NM_001012401) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hspb6 (NM_001012401) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hspb6
Synonyms: AA387366; Gm479; Hsp20
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC213180 representing NM_001012401
Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC

ATGGAGATCCCCGTGCCTGTGCAGCCTTCTTGGCTGCGCCGTGCTTCAGCTCCTTACCAGGTTTCTCTG
CTCCGGGACGCCCTTTTGACCAGCGTTTCGGCGAAGGGCTGCTTGAGGCAGAGCTGGCTTACTGTGCC
TGCTGCGATCGCCCCCTACTATCTGCGCGCCCCAGTGTGGCGTTACCCACAGCCAGGTGTCCACGGAC
TCTGGGTATTTTCCGTGCTGCTGGATGTGAAGCACTTCTTGCCAGAGGAAATCTCTGTCAAGGTGGTTG
ACGACCATGTGGAGTCCATGCTCGGCACGAGGAGCGCCCGGATGAACACGGATTCAATTGCTCGAGAGTT
CCACCGCCGATACCGCTGCCTCCTGGTGTGGACCCTGCTGCTGTGACCTCAGCACTGTCTCCTGAGGGT
GTCCTGTCCATCCAGGCCACACCAGCGTCGGCCAGGCCAACTTCCGTCAACCTGCTGCCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_001012401

Insert Size: 489 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).



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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_001012401.2</u> , <u>NP_001012401.1</u>
RefSeq Size:	1383 bp
RefSeq ORF:	489 bp
Locus ID:	243912
UniProt ID:	<u>Q5EBG6</u>
Cytogenetics:	7 B1
Gene Summary:	Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state. Seems to have versatile functions in various biological processes. Plays a role in regulating muscle function such as smooth muscle vasorelaxation and cardiac myocyte contractility. May regulate myocardial angiogenesis implicating KDR. Overexpression mediates cardioprotection and angiogenesis after induced damage. Stabilizes monomeric YWHAZ thereby supporting YWHAZ chaperone-like activity. [UniProtKB/Swiss-Prot Function]