

## Product datasheet for **RN211582**

### Hspb1 (NM\_031970) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hspb1 (NM\_031970) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hspb1  
**Synonyms:** Hsp25; Hsp27  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN211582 representing NM\_031970  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACCGAGCGCCGCGTGCCTTCTCGCTACTGCGGAGCCCCAGCTGGGAGCCGTTCCGGGACTGGTACC  
CTGCCCACAGCCGCTCTTCGATCAAGCTTTCGGGGTGCCTCGTTTCCCGATGAGTGGTCTCAGTGGTT  
CAGCTCCGCTGGTTGGCCCGGCTATGTGCGCCCTCTGCCCGCGGACCGCCGAGGGCCCCGAGCAGTG  
ACCCTGGCCGCGCCCGCCTTCAGCCGGGCGCTCAACCGCAACTCAGCAGCGGTGTCTCAGAGATCCGAC  
AGACGGCCGATCGCTGGCGCGTGTCCCTGGACGTCAACCACTTCGCTCCTGAGGAGCTCAGATTAAGAC  
CAAGGAAGGCGTGGTGGAGATCACTGGCAAGCAGCAAGAAAGGCAGGATGAACATGGCTACATCTCTCGG  
TGCTTCACCCGAAATACACGCTCCCTCCAGGTGTGGACCCACCCCTGGTGTCTCTCCCTGTCCCTG  
AGGGCACACTCACCGTGGAGGCTCCGCTGCCAAAGCAGTCACACAATCAGCGGAGATCACCATTCCGGT  
CACTTTCGAGGCCCGTGCCCAAATTGGAGGCCAGAGTCGGAACAGTCTGGAGCCAAG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031970  
**Insert Size:** 621 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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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_031970.4, NP_114176.4</u>
<b>RefSeq Size:</b>	890 bp
<b>RefSeq ORF:</b>	621 bp
<b>Locus ID:</b>	24471
<b>Cytogenetics:</b>	12q12
<b>Gene Summary:</b>	putative heat shock protein; human homolog may suppress polyglutamine-mediated cell death and mutations in human gene are associated with various neuropathies and some forms of Charcot-Marie-Tooth disease [RGD, Feb 2006]