

Product datasheet for **RN206138**

Hspd1 (NM_022229) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hspd1 (NM_022229) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hspd1
Synonyms:	Hsp60; Hspd1-30p
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206138 representing NM_022229
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTTCGACTACCCACAGTCCCTCGCCAGATGAGACCAGTGTCTCGGGCACTGGCTCCTCATCTCACTC
 GGGCCTATGCCAAAGATGTAAAATTTGGTGCGGATGCTCGAGCCTAATGCTTCAAGGTGTAGACCTTTT
 AGCCGATGCTGTAGCTGTTACAATGGGGCCAAAGGGAAGAAGCAAGTATTGAACAGAGTTGGGGAAGT
 CCCAAAGTAACAAAAGATGGGGTCACTGTTGCAAAGTCAATTGATTTAAAGGATAAATACAAAATATCG
 GAGCTAAGCTTGTTCAGGATGTTGCCAATAACACAAATGAAGAGGCTGGGGATGGCACCACCCTGCCAC
 TGTTCTGGCACGGTCTATTGCCAAGGAGGGCTTTGAGAAGATCAGCAAAGGGCTAATCCAGTGGAAATC
 CGGAGAGGTGTGATGTTGGCTGTTGATGCTGTAATTGCTGAACTAAGAAACAATCTAAACCTGTGACAA
 CCCCTGAAGAAATGCTCAGGTTGCTACAATTTCTGCAAACGGAGACAAAGACATTGGGAACATCATTTT
 TGATGCAATGAAGAAGGTTGGAAGAAAGGTTGTCATCACAGTGAAGGATGGAAAAACCTGAATGATGAG
 CTAGAAATATTGAAGGCATGAAGTTTGATAGAGGATATATTTCCCATATTTTATTAACACATCAAAGG
 GTCAAAAATGTGAATCCAAGATGCCTATGTTTTGTTGAGTGAAAAGAAAATTTCTAGTGTTCAGTCCAT
 TGTACCTGCTCTTGAAATGCCAATGCTCACCGGAAGCCCTTGGTCATAATTGCTGAAGATGTTGATGGA
 GAAGCTCTTAGCACACTGGTTTTGAACAGGCTAAAAGTTGGTCTTCAGGTTGTAGCAGTCAAAGCTCCAG
 GGTTTGGGGACAACAGGAAGAACCAGCTTAAAGATATGGCTATCGCTACTGGTGGTGCAGTGTGGGAGA
 AGAGGGTTTGAATCTAAATCTTGAAGATGTTCAAGCTCATGATTTAGGGAAAAGTTGGAGAGGTCATCGTC
 ACCAAAGATGATGCCATGCTTTTGAAGGAAAAGGTGACAAAGCTCACATTGAAAAACGTATTCAAGAAA
 TCACTGAGCAGCTAGACATCAACTAGTGAATATGAGAAGGAAAAGCTGAACGAGCGACTTGTAAACT
 CTCAGATGGAGTAGCTGTGTTGAAGTTGGAGGACAAGTATGTTGAAGTGAATGAGAAGAAAGACAGA
 GTTACAGATGCTCTCAATGCTACAGAGCAGCTGTTGAAGAAGGCATTGTTCTAGGAGGGGGCTGTGCTC
 TACTTCGGTGCATCCCAGCCTTGGATTCATTAAGCCTGCTAATGAAGATCAGAAGATAGGTATAGAAAT
 TATTAAGAGCACTTAAATTCCTGCAATGACAATTGCTAAGAATGCAGGTGTTGAAGGATCTTTGATA
 GTTAAAAAATCTGCAGAGTTCCTCAGAGTTGGCTATGATGCCATGCTTGGAGATTTTGTGAACATGG
 TGGAAAAGGGAATCATTGATCCAACAAGGTTGTAAGAAGTCTTACTGGATGCTGCTGGGGTGGCCTC
 CCTGCTAACTACAGCCGAAGCTGTAGTGACAGAAATTCCTAAAGAAGAGAAGGACCCTGGAATGGGTGCA
 ATGGGTGAATGGGAGGGGTATGGGAGGTGCCATGTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022229
- Insert Size:** 1722 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:

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_022229.2](#), [NP_071565.2](#)

RefSeq Size: 2255 bp

RefSeq ORF: 1722 bp

Locus ID: 63868

UniProt ID: [P63039](#)

Cytogenetics: 9q31

Gene Summary: a stress-inducible molecular chaperone which participates in protein folding [RGD, Feb 2006]