

## Product datasheet for **RN203884**

### Hspa2 (NM\_021863) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hspa2 (NM_021863) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hspa2
Synonyms:	Hspt70; Hst70
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203884 representing NM\_021863  
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
 GCC

ATGTCCGCCCGCGGCCGGCTATCGGCATCGACCTGGGCACCACTTACTCGTGCCTGGGGTCTTCCAAC  
 ATGGCAAGGTGGAGATCATCGCCAACGACCAGGTAACCGGACCACCCAGCTACGTGGCTTCCCGA  
 CACCGAGCGCTTATCGGCGACGCCAAGAACCAAGTGGCCATGAACCCACAAAACCATCTTCGAC  
 GCCAAGCGGCTGATCGGACGGAAGTTCAAGACGCCACGGTGCAGTCGGATATGAAGCACTGGCCGTTCA  
 GAGTGGTGAAGGTTGGGAAGCCAAAGTGCAGGTGGAATAAAGGGGAGATGAAGACCTTCTTCCC  
 TGAGGAGATTTCTCCATGGTCTCACTAAGATGAAGGAGATCGCGAAGCCTACCTGGGGGCAAGGTG  
 CAGAGCGCAGTCATCACTGTTCTGCTATTTCAACGACTCGCAGCGCCAGGCCACCAAGGATGCGGGCA  
 CCATCACCGGTCTCAATGTATTGCGTATCATCAACGAACCCACAGCAGCGCCATCGCTTATGGCCTGGA  
 TAAGAAGGGCTGCGCGGGCGGCGAGAAGAAGTCTCATCTTTGACCTGGCGGGGGCACCTTCGATGTG  
 TCCATCTCACCATCGAGGATGGCATCTTCGAGGTCAAGTCCACGCGCCGCGACCCACCTGGGTGGCG  
 AAGACTTCGACAACCGTATGGTCAAGCCTGGCGGAGGAGTTCAAGCGCAAACAAGAAGGACATTGG  
 GCCCAACAAGCGCGCTGTGCGCCGGTGCACCCGCTGCGAGCGCGTAAGCGCACCTGAGCTCGTCC  
 ACGCAGGCCAGCATCGAGATCGACTCGCTGTACGAGGGCGTGGATTTCTACACGTCCATCACCCGCGCC  
 GCTTCGAGGAGCTCAACGCCGATCTCTTTCGAGGGACTCTGGAGCCGGTGGAAAAGGCGCTGCGCGATGC  
 CAAGCTAGACAAGGGCCAGATCCAGGAGATAGTGTGGTGGCGGCTCTACCCGCATCCCTAAGTCCAG  
 AAGCTCCTGCAGGATTTCTTCAACGGCAAGGAGCTGAACAAGAGCATCAATCCCGACGAGGCGGTGGCCT  
 ACGGCGCGCTGTGCAGGCGGCTATCCTCATTGGCGACAAGTCTGAGAAGTGCAGGATCTGCTGTTACT  
 CGACGTGACTCCCTTGTGCTTGGCATTGAAACAGCTGGCGGTGTCATGACCCCACTCATAAAGAGAAAC  
 ACCACCATCCCTACCAAGCAGACGCAGACCTTCACTACCTACTCAGACAACCAGAGCAGCGTGTGGTGC  
 AAGTGTACGAGGGCAACGGCCATGACCAAGGACAATAACCTCTGGGCAAGTTCGACCTAACTGGGAT  
 CCCTCCAGCACCCGCGGCTCCCCAGATCGAGGTACCTTTGACATCGATGCCAACGGCATTCTTAAC  
 GTCCTGCTGCAGACAAGAGCACCGCAAAAGAAAATAAAATCACCATCACCAACGACAAGGGTCTGCTGA  
 GCAAAGACGACATTGACCGGATGGTGCAGGAGGCAGCGGTACAATCGGAAGATGAAGCTAATCGCGA  
 TCGCGTGGCAGCAAAAACGCGGTTGAGTCTATACTACAACATCAAGCAGACGGTGAAGACGAGAAA  
 CTGAGGGCAAGATTAGCGAGCAGGACAAAACAAGATTCTGACAAGTGTGAGGAGGTGATCAACTGGC  
 TTGACCGAAACCAGATGGCAGAGAAAGATGAGTACGAACAAGCAGAAAGAGCTTGAGAGAGTGTGCAA  
 CCCCATCATCAGCAAACTTTACCAAGGCGGTCCAGGCGGCGGCTCCTCTGGAGGACCCACATTGAG  
 GAAGTGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** AscI-MluI
- ACCN:** NM\_021863
- Insert Size:** 1902 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\\_021863.3](#), [NP\\_068635.1](#)

**RefSeq Size:** 2501 bp

**RefSeq ORF:** 1902 bp

**Locus ID:** 60460

**UniProt ID:** [P14659](#)

**Cytogenetics:** 6q24

**Gene Summary:** involved in repeated binding and release of substrate [RGD, Feb 2006]