

## Product datasheet for **RN211007**

### Hspa8 (NM\_024351) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hspa8 (NM_024351) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hspa8
Synonyms:	Hsc70
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211007 representing NM\_024351  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTAAGGACCTGCAGTTGGCATTGATCTTGGCACCACTACTCCTGTGTGGGTGTCTTCCAGCATG  
 GAAAGGTGGAAATAATTGCCAATGACCAGGTAACCGCACACCGCGAGCTATGTTGCTTTCACCGACAC  
 AGAACGATTAATTGGGGATGCGGCCAAGAATCAGGTTGCAATGAACCCCAACACAGTTTTTGTATGCC  
 AAACGTCTGATCGGACGTAGGTTTCGATGATGCTGTTGTTTCAGTCTGACATGAAGCACTGGCCCTTATGG  
 TGGTGAACGATGCAGGCAGGCCAAGTCCAAGTCAATACAAAGGGGAGACAAAAGTTTCTATCTGA  
 GGAAGTGTCTTCAATGTTCTGACAAAAATGAAGGAAATGCAGAAGCTTACCTTGAAAGACTGTTACC  
 AATGCCGTGGTCAACGTCAGCTTACTTCAATGACTCTCAGCGACAGGCAACAAAAGATGCTGAACTA  
 TTGCTGGCCTCAACGTACTTCAATATCAATGAGCCAATGCTGCTGCTATTGCCTATGGCTTAGATAA  
 GAAGTTCGGGGCTGAAAGGAATGTCTCATTTTTGACTTGGGAGGTGGCACTTTTGTATGTGTCAATCCTC  
 ACTATCGAGGATGGAATTTTTGAAGTCAAATCAACAGCTGGAGACACCCACTTGGGCGGAGAAGACTTTG  
 ACAACCGAATGGTCAACCATTTTCAATGCTGAGTTAAGCGAAAGCACAAGAAGGACATCAGTGAGAACA  
 GAGAGCTGTACGGCTCTCCGACTGCCTGTGAGCGGGCCAAGCGCACCCCTCTCCTCCAGCACCCAGGCC  
 AGTATTGAGATTGATTCTCTATGAGGGAATTGACTTCTACACCTCCATTACCCGTGCTCGATTGAGG  
 AGTTGAATGCTGACCTGTTCCGTGGCACACTGGACCCTGTAGAGAAGGCCCTTCGAGATGCCAACTAGA  
 CAAGTACAGATCCATGATATTGCTCGTGGTGGTGGTTCTACCAGAATCCCAAGATCCAGAACTTCTG  
 CAAGACTCTTCAATGGAAAAGAGCTGAATAAGAGCATTAAACCCCGATGAAGCTGTTGCCTATGGTGCAG  
 CTGTCCAGGCAGCCATTCTATCTGGAGACAAGTCTGAGAATGTTTCAGGATTTGCTGCTTGGATGTCAC  
 TCCTCTTCCCTTGGGATTGAAACTGCTGGTGGAGTCATGACTGTCCTCATCAAGCGCAATACCACCATT  
 CCCACCAAGCAGACCCAGACTTTTACCACCTACTCTGACAACCAGCCAGGTGACTCATCCAGGTGTATG  
 AAGGTGAAAGGGCCATGACCAAGGACAACAACCTGCTTGGGAAGTTTGGCTCACAGGCATACCTCCAGC  
 ACCCCGTGGGTTCTCAGATTGAGTTACTTTTACATTGATGCCAATGGCATCCTCAATGTTTCTGCT  
 GTAGATAAGAGCACAGGAAAGGAGAACAAGATCACCATCACCAATGACAAGGGCCGCTTGGTAAAGGAGG  
 ATATTGAGCGCATGGTCCAAGAAGCTGAGAAGTACAAGCTGAGGATGAGAAGCAGAGAGATAAGGTTTC  
 CTCTAAGAACTCGCTGGAGTCTTATGCTTTCAACATGAAAGCAACTGTTGAGGATGAGAACTTCAAGGC  
 AAGATCAATGATGAAGACAAACAGAAGATTCTTGACAAGTGAACGAAATCATCAGCTGGCTGGATAAGA  
 ACCAGACTGCGGAGAAGGAATAATTTGAGCATCAGCAGAAAGAACTGGAGAAGGTCTGCAACCTATCAT  
 CACCAAGCTGTACCAGAGTGTGGTGGCATGCCTGGAGGAATGCCTGGTGGCTTCCCTGGTGGAGGAGCT  
 CCTCCATCTGGTGGTGTCTTTCAGGCCCCACCATTGAAGAGGTGCATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_024351

**Insert Size:** 1941 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\\_024351.2](#), [NP\\_077327.1](#)

**RefSeq Size:** 2130 bp

**RefSeq ORF:** 1941 bp

**Locus ID:** 24468

**UniProt ID:** [P63018](#)

**Cytogenetics:** 8q22

**Gene Summary:** member of the hsp70 protein; expressed in unstressed cells [RGD, Feb 2006]