

Product datasheet for **RN213069**

Hspa4 (NM_153629) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hspa4 (NM_153629) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hspa4
Synonyms:	Hsp70; Hsp110; irp94
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213069 representing NM_153629
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGTGGTGGGCATAGACCTGGGCTTTCAGAGCTGCTATGTCGCTGTGGCCCGCCGGCGGCATTG
 AGACGATCGCTAATGAGTATAGCGACCGCTGCAGCCGGCTTGTGTTCTTCGGTCTAAGAATCGTTC
 AGTTGGAGCAGCAGCAAAGAGCCAGGTAATTTCCAATGCCAAGAACACAGTTCAAGGTTTAAAAGATT
 CATGGCGTGCATTCTCAGATCCATTTGTGGAAGCAGAAAAATCTAACCTGCATATGATATTGTACAGT
 TGCCCACTGGATTAACGGGCATAAAGGTTACATATATGGAAGAAGAGAGGAATTTTACCCTGAACAAGT
 GACTGCCATGCTCTTGTCAAACCTGAAGGAGACAGCAGAAAGTGTCTTAAGAAGCTGTGTAGACTGT
 GTTGTTCGGTTCCTAGTTTCTACACTGATGCAGAACGACGGTCAGTGTGGATGCCACACAGATTGCTG
 GTCTCAATTGCTTGGCGTAAATGAATGAAACAACCTGCAGTTGCTCTTGTATGGAATCTATAAACAAGA
 CCTTCCTGCCTTAGAAGAAAACCAAGAAATGTAGTTTTTGTAGATATGGGACATTCTGCCTATCAAGTT
 TCTGTATGTGCATTTAATAGAGGAAAACCTGAAAGTTTTGGCCACAGCTTTTGATACAACATTGGGAGGCA
 GAAAAATTTGATGAGGTGTTGGTAAATCACTTCTGTGAAGAATTTGGAAAGAAATACAAGCTAGACATAAA
 ATCTAAAGTTCGTGCTTTATTGCGACTCTCTCAAGAGTGTGAGAACTCAAGAAATTAATGAGTGCAGT
 GCTTCAGACCTCCCTTTGAGTATTGAATGCTTTATGAACGATATTGATGTATCGGGAACCATGAATAGAG
 GCAAAATTTTGGAGATGTGTGATGATCTTAGCAAGAGTGGAGCCGCCACTTCGTAGCATCTTGGACCA
 ATCCAAGTTAAAGAAAGAAGATATTTATGCAGTGGAGATAGTTGGTGGAGCCACACGGATCCCTGCCGTG
 AAAGAGAAGATCAGCAAGTCTTTGGTAAAGAACCTCAGCACAACATTAATGCGGATGAAGCAGTCACTC
 GAGGCTGTGCTGCAGTGTGCAATCTTATCACCTGCTTTCAAAGTCAGAGAATTTCTATCACTGATGT
 GGTACCATATCCAATATCTTTGAGGTGGAATTCCTCAGCTGAAGAGGGGTCAAGTACTGTGAAGTCTTC
 CCCAAAAACCATGCTGCTCCTTTCTCAAAGTCTCACCTTTTATAGAAAGGAACCGTTCCTCTGGAGG
 CCTACTATAGTTCCTCAGGATTTGCCCTATCCAGATCCTGCTATAGCTCAGTTTTCAGTTCAGAAAGT
 CACTCCACAGTCTGATGGCTCCAGCTCAAAGTCAAAGTCAAGGTCGGGTAAATGTGCATGGCATTTC
 AGTGTGTCCAGTGCAGCCTTAGTAGAGGTGCACAAGTCCGAGGAGAGCGAGGACCAATGGAGACTGATC
 AGAATGCAAAGGAAGAAGAGAAGATGCAGGTGGACCAGGAAGAACCACATACTGAAGAGCAACAGCCACA
 GACACCAGCAGAAAACAAGCGGAGTCTGAGGAGATGGAGACCTCTCAAGCTGGATCAAAGATAAAAAG
 ATGGACCAACCACCTCAAGCAAAGAAGGCAAAAAGTGAAGACCAGCACCGTGGACCTGCCATTGAGAGCC
 AGCTGCTGTGGCAGCTGGACCGGAAATGCTCGGCCTGTACACAGAGAATGAGGGTAAGATGATCATGCA
 GGATAAATGGAGAAGGAACGGAATGACGCCAAAAATGCGGTGGAAGAGTATGTGTATGAGATGAGAGAC
 AAATTTAGTGGTGAATATGAGAAGTTTGTGAGTGAAGATGATCGTAATAATTTACTTTGAAATTAGAGG
 ATACAGAAAACCTGGCTGTATGAAGATGGAGAAGATCAACCAAAGCAAGTTTATGTAGACAAATGGCTGA
 GTTAAGAACTTTAGGTCAACCTATTAAGACACGGTTCAGGAATCTGAAGAAAGACCAAAATTTTGA
 GAATTAGGGAAGCAAATCCAACAGTATATGAAAGTATCAGCTCTTTCAAAAACAAGGAGGACAGTATG
 AACCTTGGATGCTGCTGACATGACAAAGGTAGAGAAAAGCACCATGAGGCGATGGAGTGGATGAATAG
 TAAGCTGAACCTGCAGAACAAACAGAGCCTGACGGCGGATCCAGTTGTCAAGACAAAAGAGATTGAAGT
 AAAATTAAGGAGCTGACAAATATTTGCAGTCTATAATTTCAAAGCCCAACCCAAAGTGAACCCCTTA
 AGGAGGAACCAAAACATGCTGAGCAGAATGGACCAGTGGATGGCCAAGGAGACAACCCAGGCACCCAAGC
 TGCTGAGCACGGTGCAGACACAGCTGTGCCTTCTGATGGTACAAGAAGCTTCTGAGATGGACATTGAT
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_153629
Insert Size: 2523 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:	<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:	NM_153629.1 , NP_705893.1
RefSeq Size:	4521 bp
RefSeq ORF:	2523 bp
Locus ID:	266759
UniProt ID:	O88600
Cytogenetics:	10q22
Gene Summary:	heat shock protein; may have an important role following forebrain ischemia and may allow astrocytes to protect neurons [RGD, Feb 2006]