

Product datasheet for **RN213029**

Hspa14 (NM_001004257) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hspa14 (NM_001004257) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hspa14
Synonyms:	MGC94119
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213029 representing NM_001004257
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCGATCGGCGTGCACCTGGGCTGCACATCAGCCTGTGTGGCTGTCTACAAGGATGGCCGGGCCG
 ATGTGGTTGCAAATGATCGGGGGACAGAGTCAGCCAGCCGTCGTTGCTTACTCGGAACGTGAACAGGT
 GGTTGGACTGGCGGCAAAACAAAGTAGGATAAGGAATATCTCAAGCACGGTAGTAAAGTAAAAACAGATC
 CTTGGCAGAAGCACTGCTGATCCACAGGCTCAGAAATATATCTCGAAAGTAAATGCTTAGTCATTGAGA
 AAAATGGGAAGTTGCAGTATGAAATAGATACAGGAGAAGAAACAAAACCTGTTAGTCCAGAAGATGTTGC
 CAGACTGATATTCAGTAAATGAAAGAAACAGCACATTCTGTCTGGGCTCAGATGCAAACGATGTCGTT
 GTTACCGTCCCATTTGACTTCGGAGAAAAGCAGAAGTCTGCTCTGGGAGAGGCAGCTGGAGCCGCCGGGT
 TTAATGTGTTGCGACTAATACATGAGCCGCTGTCAGCTCTCTGGCCTATGGAATTGGACAAGACTGCC
 TACCGGGAAGAGCAATGTTTTGGTGTAAAGCTGGGAGGAACATCCTTGTGCTCAGTATCATGGAAGTG
 AACAGCGGGATGTATCGGGTCTTTCCACAACACCAGTGACAACATCGGGGGTGTGCATTTACAGACA
 GCTTAGCTCAGTACCTGGCTTCGGAGTTCCAGAGGCTGTTCAAGCACGATGTGAGAGGAAGTGCCCGGGC
 CATGATGAAGCTGATGAACAGCGCTGAGGTGGCCAAGCACTCCCTGTCCACCCTGGGAAGTGCCAATTGC
 TTCGTGGACTCCTTGATGAAGTCAAGACTTCGACTGCAATGTGTCCAGAGCAAGATTTGAGCTCTTT
 GTTCTCCGCTTTTTAACAAATGTATAGAAGCAGTCCGGGCGCTCTACAGCAGAGTGATTTACAGCAGA
 TGACATTAACAAGTTGTGCTGTGTGGTGGATCGTCAAGGATCCCAAGGCTGCAGCAGCTGATTAAGAT
 CTCTTCCAGCTGGGGACCTTCTCAACTCCATCCCTCCAGATGAGGTATCCCTATCGGTGCAGCCATCG
 AGGCCGGGATTTGTTGGGAAGGAGAGCACCTCAGGGGATGACTGTCTGCTGATCGAGTGTTCAGCCCG
 GGATATTTTAGTTAAGGGAGTCGATGAATCAGGTGCCAACAGATTACAGTGCTGTTCCCTCTGGGACT
 CCTCTGCCAGCGCAAGACAGCACAGCTACAAGCCCTGGCAGTATATCTTCTGTTTGCCTTGAAGTCT
 ATGAGTCTGAGGGCAAGAAGTCTGTTAAAGAGGAGACCAAGTTTGCACAGGTTGTGCTCCAGGACTTAGA
 TAAAAAAGAAAATGGATTACGTGATATATTAGCTGTCCTTACTATGAAAAGGGATGGATCTTTACAGGTG
 ACGTGCACAGACCAAGAGACCGGGAAGTGTGAGGCCATCACTGTTGAAGTTGCATCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001004257

Insert Size: 1530 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_001004257.1](#), [NP_001004257.1](#)

RefSeq Size: 1761 bp

RefSeq ORF: 1530 bp

Locus ID: 307133

UniProt ID: [Q6AYB4](#)

Cytogenetics: 17q12.3

Gene Summary: Component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, binds to the nascent polypeptide chain, while DNAJC2 stimulates its ATPase activity (By similarity). [UniProtKB/Swiss-Prot Function]