

Product datasheet for **RN201826**

Hspa5 (NM_013083) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hspa5 (NM_013083) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hspa5
Synonyms:	BIP; GRP 78; GRP78
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201826 representing NM_013083
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTTCACTGTGGTGGCGGCGCTGCTGCTGTGTGCGGTGCGGGCGGAGGAGGACAAGA
 AGGAGGATGTAGGCACGGTGGTTGGCATCGACTTGGGGACCACCTATTCTGCGTCGGTGTATCAAGAA
 CGGCCCGTGGAGATCATAGCCAACGATCAGGGCAACCGCATCACACCGTCGTATGTGCCTTCACTCCT
 GAAGGGGAGCGTCTGATTGGCGATGCGGCCAAGAACCAACTCACGTCCAACCCGGAGAACACCGTCTTCG
 ACGCCAAGCGCCTCATCGGACGCACTTGAATGACCCCTCCGTGCAGCAGGACATCAAGTTCTTGCCATT
 CAAGGTGGTTGAAAAGAAAATAAACCATATATCAAGTTGATATCGGAGGTGGGCAAACCAAGACATTT
 GCCCCAGAAGAAATTTCTGCTATGGTTCTCACTAAAATGAAGGAACTGCCGAGGCGTATTTGGAAAGA
 AGGTCACCCATGCAGTTGTGACTGTACCAGCTTACTTCAATGATGCACAGCGCAAGCAACCAAGGATGC
 TGGCACTATTGCTGGACTGAATGTCATGAGGATCATCAATGAGCCAACAGCAGCTGCTATTGCATATGGC
 CTGGATAAGAGAGAGGGAGAGAAGAATCCTCTGTTTACCTGGTGGTGAACCTTCGATGTGTCTC
 TTCTCACCAATTGACAATGGTGTCTTTGAAGTGGTGGCCACTAATGGAGACTCATCTGGGTGGGGAAGA
 CTTTGTACAGCGGTCATGGAGCACTTCATCAAGCTGTACAAAAAGAAAGACTGGGAAAGATGTCAGAAAG
 GACAACAGAGCTGTGCAGAACTCCGGCGTGAGGTAGAAAAGGCCAAGAGAGCCCTGTCTTCTCAGCATC
 AAGCGAGGATTGAAATGAGTCTTCTTCGAAGGAGAAGACTTCTCAGAGACCCCTACTCGGGCCAAATT
 TGAAGAGCTGAACATGGACCTGTCCGCTACCATGAAACCTGTCCAGAAAGTGTGGAAGACTCTGAT
 CTGAAGAAATCTGATATTGATGAGATTGTTCTGGTTGGCGGATCTACTCGAATCCAAAGATTGAGCAGT
 TGGTGAAGAGTTCTTCAATGGCAAGGAGCCGTCCTGGTGCATCAACCCAGATGAGGCTGTAGCATATGG
 TGCCGCTGTCCAGGCTGGTGTCTCTCTGGTGATCAAGATACAGGTGACCTGGTTCTGTTGATGTGTGT
 CCTCTTACACTTGGTATTGAAACTGTGGGAGGTGTATGACAAAACCTGATTCCGAGGAACACTGTGGTGC
 CCACCAAGAAGTCTCAGATCTTCTCCACAGCTTCTGATAATCAGCCCACCGTAACAATCAAGGTCTACGA
 AGGTGAACGACCCCTGACAAAAGACAATCACCTTCTGGGTACATTTGATCTGACTGGAATCCCTCTGCT
 CCCCCTGGGGTACCCAGATTGAAGTCACTTTGAGATAGATGTGAATGGTATTCTTCGAGTGACAGCTG
 AAGACAAAGGGACAGGAAACAAAACAAAATCACCATACCAATGACCAAAACCGCCTGACCCCTGAAGA
 AATTGAAAGGATGGTCAATGACGCCGAGAAGTTTGTGAGGAAGACAAAAGCTCAAAGAGCGCATTGAC
 ACGAGGAATGAATTGAAAGCTATGCTTACTCTTAAAGAACCAGATCGGAGATAAAGAGAAGCTGGGAG
 GTAAGCTGTCTCTGAAGATAAAGAGACCATGGAGAAAGCTGTAGAGGAAAAGATCGAATGGCTGGAAAG
 CCACCAGGATGCAGACATTGAAGACTTTAAAGCTAAAAAGAAGGAACTAGAAGAAATTTTCAGCCAATT
 ATCAGCAAACCTATGGAAGTGGAGGCCCTCCCCAACTGGTGAAGAGGATACATCAGAAAAAGATGAGT
 TG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013083
Insert Size: 1965 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_013083.2](#), [NP_037215.1](#)

RefSeq Size: 2580 bp

RefSeq ORF: 1965 bp

Locus ID: 25617

UniProt ID: [P06761](#)

Cytogenetics: 3p11

Gene Summary: secreted protein of the endoplasmic reticulum; may be involved in the assembly of secreted and membrane-bound proteins [RGD, Feb 2006]