

Product datasheet for **RN205581**

Hsp90b1 (NM_001012197) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsp90b1 (NM_001012197) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hsp90b1
Synonyms:	Grp94; Tra1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205581 representing NM_001012197
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGGTCTGTGGGTGCTGGGCTCTGCTGCGTCTGCTGACCTTCGGGTTTGTGAGAGCTGACGATG
AAGTCGATGTGGATGGCAGCGGTAGAAGAGGACCTGGGTAAGAGTAGAGAAGGCTCACGGACAGACGATGA
AGTTGTGCAGAGAGAGGAAGAAGCTATTCAGTTGGATGGTTTAAATGCATCACAAATAAGGGAACCTTAGA
GAAAAATCGGAAAAGTTCGCCTTCCAAGCTGAAGTTAACAGGATGATGAACTTATCATCAATTCTTTGT
ATAAAAAATAAGAGATTTTCTGAGAGAACTGATTTCAAATGCTTCTGATGCTTTAGACAAGATAAGGCT
CATCTCACTAACTGATGAAAATGCACCTTGTGGAAATGAGGAGTTGACGGTCAAGATTAAGTGTGACAGA
GAGAAAACTGCTGCATGTCACAGACACGGGTGATGAAATGACCAGAGAGGAGCTGGTAAAACTGG
GCACCATAGCCAAATCTGGAACACGAGTTTCTAAACAAAATGACAGAAGCACAAGAAGACGGTCAAGT
AACTTCGGAAGTATCGGCCAGTTTGGTGTGCGTTTTTATTCTGCCTTCTGTAGCAGATAAAGGTCATT
GTCACGTCGAAACACAACAATGATACCCAGCACATCTGGGAATCCGACTCTAATGAATTCCTGTGATTG
CTGACCCAAGAGGAAACACACTAGTCTGGAACAACGATTACTCTTGTCTTAAAAGAAGAAGCATCTGA
TTACCTTGAATTGGATACAATTAATAATCTCGTCAGAAAGTATTCTCAGTTCATCAACTTTCCCCTCAT
GTGTGGAGTAGCAAGACTGAGACTGTGGAGGAGCCCTTGGAGAAGACGAAAACAGCACAAGAAGAGAAGG
AGGAAGCTGATGATGAAGCCGAGTAGAAGAGGAGGAGGAAGAGAAGAAGCCAAAGACGAAGAAAGTTGA
AAAGACTGTGTGGGACTGGGAACCTATGAATGACATCAAACCAATATGGCAGAGGCCGTCGAAAGAAGTA
GAAGAAGACGAGTACAAAGCTTTCTACAAGTCGTTTTTCAAAGGAAAGTATGACCCCATGGCTTATATCC
ACTTTACTGCAGAAGGGGAAGTCACTTCAAGTCAATTTTGTGTTTGTGCCTACATCTGCGCCTCGAGGCT
GTTTGACGAGTATGGATCTAAGAAGAGCGATTATATTAAGCTCTATGTGCGCCGAGTGTTTCATCACAGAC
GACTTCCATGACATGATGCCAAGTACCTGAATTTTGTCAAAGGTGTTGTGGATTCCGATGATCTCCCC
TCAATGTTTCCCGTGAGACTCTTCAGCAACATAAATTGCTCAAGGTGATTAGGAAGAAGCTGTCCGCAA
AACTCTGGACATGATCAAGAAGATCGCTGATGAGAAATAATGACACTTCTGGAAAGAATTTGGCACC
AATATCAAGCTTGGTGTGATTGAAGATCACTCAAATCGAACACGGCTTGTAACTTCTTAGGTTCCAGT
CTTCTCACCATTCACTGACATTACTAGTTTAGACCAGTATGTGGAAAGAATGAAGGAAAAACAGGACAA
AATCTACTTCATGGCTGGTCAAGCAGAAAAGAGGCTGAATCTTCTCCGTTTGTGAGAGGCTTCTGAAG
AAGGGCTATGAAGTTATTTACCTCACAGAGCCCGTGGATGAATACTGCATTCAAGGCTTCTCTGAGTTTG
ATGGGAAACGGTTCAGAAATGTTGCCAAAGAAGGAGTGAAGTTTGTGAGAGTGAGAAAAGTAAAGAAAG
TCGGGAAGCAACAGAGAAGGAGTTTGGCCTCTGCTCAACTGGATGAAAGATAAAGCCCTCAAGGACAAG
ATCGAAAAGGCTGTGGTGTCCCAGCGCCTCACAGAGTCTCCCTGTGCCCTTGTGGCCAGCCAGTATGGAT
GGTCTGGAAACATGGAGAGGATCATGAAGGCACAAGCATACCAGACGGGCAAGGACATCTCTACAAATTA
CTATGCCAGTCAGAAGAAAACGTTTGAATTAATCCTAGACCCCACTGATCAGGGACATGCTGCGGAGG
GTTAAGGAAGATGAAGATGACAAGACTGTATGGATCTTGTGTAGTTTTGTTTGAACGGCAACTCTTC
GGTCAGGATACCTTCTACCCGACACCAAGGCATATGGAGACAGGATAGAAAGGATGCTCCGCCTCAGCTT
AAACATTGACCCTGAAGCACAGGTAGAGGAAGAGCCAGAGGAGGAGCCTGAAGACACCACAGAAGACACC
ACAGATGACTCCGAGCAGGATGAAGAAGAGACAGACGACGGGGCAGAAGAAGAAGAAGAAGAACAGGAAA
CAGAAAAGGAACCTACAGAGAAGGATGAATTG**TA**A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001012197
Insert Size: 2415 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:	<u>NM_001012197.2</u> , <u>NP_001012197.2</u>
RefSeq Size:	2803 bp
RefSeq ORF:	2415 bp
Locus ID:	362862
UniProt ID:	<u>Q66HD0</u>
Cytogenetics:	7q13
Gene Summary:	molecular chaperone protein localized to the endoplasmic reticulum; may be involved in heme protein assembly [RGD, Feb 2006]