

## Product datasheet for **SC321607**

### Hsp75 (TRAP1) (NM\_016292) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hsp75 (TRAP1) (NM_016292) Human Untagged Clone
Tag:	Tag Free
Symbol:	Hsp75
Synonyms:	HSP 75; HSP75; HSP90L; TRAP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_016292.1  
 GTACGACATGGCGCGAGCTGCGGGCGTGTCTGTGGGGCCGCCCTGCGGCCTTT  
 GCTGCGGGCGCCGGCGCTGGCGGCCGTGCCGGGAGGAAAACCAATTCTGTGTCTCGGAG  
 GACCACAGCCCAGTTGGGCCCGAGGCGAAACCCAGCCTGGAGCTTGCAGGCAGGACGACT  
 GTTCAGCACGCAGACCCGAGGACAAGGAGGAACCCCTGCACTCGATTATCAGCAGCAC  
 AGAGAGCGTGCAGGGTCCACTTCCAAACATGAGTTCCAGGCCGAGACAAAGAAGCTTTT  
 GGACATTTGTTGCCCGTCCCTGTACTCAGAAAAAGAGGTGTTTATACGGGAGCTGATCTC  
 CAATGCCAGCGATGCCTTGGAAAACTGCGTCACAACTGGTGTCTGACGGCCAAGCACT  
 GCCAGAAATGGAGATTCCTTGCAGACCAATGCCGAGAAAAGCACCATCACCATCCAGGA  
 TACTGGTATCGGGATGACACAGGAAGAGCTGGTGTCCAACCTGGGGACGATTGCCAGATC  
 GGGGTCAAAGGCCTTCTGGATGCTCTGCAGAACCAGGCTGAGGCCAGCAGCAAGATCAT  
 CGGCCAGTTTGGAGTGGTCTTACTCAGCTTTCATGGTGGTGACAGAGTGGAGGTCTA  
 TTCCCGCTCGGCAGCCCCGGGAGCCTGGGTTACCAGTGGCTTTCAGATGGTTCTGGAGT  
 GTTTGAAATCGCCGAAGCTTCGGGAGTTAGAACCAGGACAAAAATCATCATCCACCTGAA  
 ATCCGACTGCAAGGAGTTTTCCAGCGAGGCCCGGGTGCAGATGTGGTAACGAAGTACAG  
 CAACTTCGTGAGCTTCCCTTGTACTTGAATGGAAGGCGGATGAACACCTTGCAGGCCAT  
 CTGGATGATGGACCCCAAGGATGTCCTGAGTGGCAACATGAGGAGTTCTACCGTACGT  
 CGCGCAGGCTCACGACAAGCCCCGCTACACCCTGCACTATAAGACGGACGCACCGCTCAA  
 CATCCGCAGCATCTTCTACGTGCCCGACATGAAACCGTCCATGTTTGATGTGAGCCGGGA  
 GCTGGGCTCCAGCGTTGCACTGTACAGCCGAAAGTCTCATCCAGACCAAGGCCACGGA  
 CATCCTGCCCAAGTGGCTGCGCTTCATCCGAGGTGTGGTGGACAGTGAGGACATTCCTT  
 GAACCTCAGCCGGGAGCTGCTGCAGGAGAGCGCACTCATCAGGAACTCCGGGACGTTTT  
 ACAGCAGAGGCTGATCAAATCTTCAATTGACCAGAGTAAAAAGATGCTGAGAAGTATGC  
 AAAGTTTTTTGAAGATTACGGCCTGTTTATGCGGGAGGGCATTGTGACCGCCACCGAGCA  
 GGAGGTCAAGGAGGACATAGCAAAGCTGCTGCGCTACGAGTCTCGGCGCTGCCCTCCGG  
 GCAGCTAACAGCCTCTCAGAATACGCCAGCCGATGCGGGCCGGCACCCGCAACATCTA  
 CTACCTGTGCGCCCCAACCGTACCTGGCAGAGCACTCACCTACTATGAGGCCATGAA  
 GAAGAAAGACACAGAGTTCTTCTGCTTTGAGCAGTTTGTGAGCTCACCTGCTGCA  
 CCTTCGTGAGTTTGACAAGAAGAAGCTGATCTCTGTGGAGACGGACATAGTCGTGGATCA  
 CTACAAGGAGGAGAAGTTTGAGGACAGGTCCCCAGCCGCCGAGTGCCTATCAGAGAAGGA  
 GACGGAGGAGCTCATGGCCTGGATGAGAAATGTGCTGGGGTTCGCTGTCACCAACGTGAA  
 GGTGACCTCCGACTGGACACCCACCCTGCCATGGTACCCTGCTGGAGATGGGGCTGC  
 CCGCCACTTCTGCGCATGCAGCAGCTGGCCAAGACCCAGGAGGAGCGGCACAGCTCCT  
 GCAGCCCACGCTGGAGATCAACCCAGGCACGCGCTCATCAAGAAAGTGAATCAGCTGCG  
 CGCAAGCGAGCCTGGCCTGGCTCAGTGTGGTGGATCAGATACGAGAACGCCATGAT  
 TGCTGTGGACTTGTGACGACCCTAGGGCCATGGTGGGCCGCTTGAATGAGCTGCTTGT  
 CAAGGCCCTGGAGCGACTGACAGCCAGGGGCCAGAAGGACTGACACCACAGATGACA  
 GCCCCACCTCCTTGAAGCTTTATTTACCTAAATTTAAAGGTATTTCTTAAAAAAAAAAAA  
 AA

**Restriction Sites:** Please inquire

**ACCN:** NM\_016292

**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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_016292.1](#), [NP\\_057376.1](#)

**RefSeq Size:** 2225 bp

**RefSeq ORF:** 2115 bp

**Locus ID:** 10131

**UniProt ID:** [Q12931](#)

**Cytogenetics:** 16p13.3

**Domains:** HSP90, HATPase\_c

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a mitochondrial chaperone protein that is member of the heat shock protein 90 (HSP90) family. The encoded protein has ATPase activity and interacts with tumor necrosis factor type I. This protein may function in regulating cellular stress responses. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]  
 Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).