

## Product datasheet for **SC107855**

### HSPA4 (NM\_198431) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HSPA4 (NM_198431) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPA4
Synonyms:	APG-2; heat shock 70kDa protein 4; heat shock 70kDa protein 4, isoform a; heat shock 70kDa protein 4; heat shock protein, 110 kDa; HS24/P52; hsp70; hsp70RY; MGC131852; RY; RY, APG-2, hsp70, hsp70RY, HS24/P52, MGC131852
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198431, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGTGGTGGGCATAGACCTGGGCTTCCAGAGCTGCTACGTCGCTGTGGCCCGCCGGCGGCATCG
AGACTATCGCTAATGAGTATAGCGACCGCTGCACGCCGGCTTGCATTTCTTTGGTCCTAAGAATCGTTC
AATTGGAGCAGCAGCTAAAAGCCAGGTAATTTCTAATGCAAAGAACACAGTCCAAGGATTTAAAAGATT
CATGGCCGAGCATTCTCTGATCCATTTGTGGAGGCAGAAAAATCTAACCTTGCATATGATATTGTGCAGT
TGCTACAGGATTAACAGGTATAAAGGTGACATATATGGAGGAAGAGCAGAATGGACCAGTGGATGGACA
AGGAGACAACCCAGGCCCCAGGCTGCTGAGCAGGGTACAGACACAGCTGTGCCTTCGGATTCAGACAAG
AAGCTTCTGAAATGGACATTGATTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_198431 unedited TATACGACTCACTATAGGCGGCCGCAAATTCGCACGAGGCTCTGGTGCTGCGGCTCCGC TCTCGTCGCAACGAGATCTTTCGAGATCTTCTCCGCCCGCTACCGGCGCTCCTCTGC GGCCACTGAGCCGGAGCCGGCCTGAGCAGCGCTCTCGTTGCAGTACCCACTGGAAGGAC TTAGGCGCTCGCGTGGACACCGCAAGCCCTCAGTAGCCTCGGCCAAGAGGCCTGCTTT CCACTCGCTAGCCCCGCCGGGGTCCGTGTCTCGGTGGCCGACCCGGGCCGAG CCCGAGCAGTAGCCGGCGCCATGTCGGTGGTGGGCATAGACCTGGGCTTCCAGAGCTGCT ACGTGCGTGTGGCCCGCCGGCGGCATCGAGACTATCGCTAATGAGTATAGCGACCGCT GCACGCCGGCTTGCAATTTCTTTGGTCCTAAGAATCGTTCAATTGGAGCAGCAGTAAAA GCCAGTAATTTCTAATGCAAAGAACACAGTCCAAGGATTTAAAAGATTCCATGGCCGAG CATTCTCTGATCCATTTGTGGAGCAGAAAAATCTAACCTTGCATATGATATTGTGCAGT TGCCTACAGGATTAACAGGTATAAAGGTGACATATATGGAGGAAGAGCGAAATTTACCA CTGAGCAAGTGACTGCCATGCTTTGTCCAACTGAAAGAGACAGCCGAAAGTGTCTTT AGAAGCCCTGTANTTGACTGGCGTGTACCGGTCTTGCTTCTATACTGAGGCAGAAAGA ACATCAGTGATGGATGCAACACAGATTGGCTGGCTTAAATTGCTGGCGATAAATGAAGAA CACCCCGCGTGGCCCTTGCTAGGAAATCTAAAACCGATCTTCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_198431
<b>Insert Size:</b>	5000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_198431.1</a></u> , <u><a href="#">NP_940833.1</a></u>
<b>RefSeq Size:</b>	1309 bp
<b>RefSeq ORF:</b>	447 bp
<b>Locus ID:</b>	3308
<b>Cytogenetics:</b>	5q31.1
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS
<b>Protein Pathways:</b>	Antigen processing and presentation