

Product datasheet for **SC110926**

HSPA1L (NM_005527) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPA1L (NM_005527) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPA1L
Synonyms:	HSP70-1L; HSP70-HOM; HSP70T; hum70t
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC110926 sequence for NM_005527 edited (data generated by NextGen Sequencing)

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ATGGCTACTGCCAAGGGAATCGCCATAGGCATCGACCTGGGCACCACCTACTCCTGTGTG
GGGGTGTTCAGCACGGCAAGGTGGAGATCATCGCCAACGACCAGGGCAACCGCACCACC
CCCAGCTACGTGGCCTTCACAGACACCGAGCGGCTCATTGGGGATGCGGCCAAGAACCAG
GTAGCAATGAATCCCCAGAACACTGTTTTTGTATGCTAAACGTCTGATCGGCAGGAATTT
AATGATCCTGTTGTACAAGCAGATATGAAACTTTGGCCTTTTCAAGTGATTAATGAAGGA
GGCAAGCCCAAAGTCCTTGTGTCTACAAGGGGAGAATAAAGCTTTCTACCCTGAGGAA
ATCTCTTCGATGGTATTGACTAAGTTGAAGGAGACTGCTGAGGCCTTTTTGGGCCACCT
GTCACCAATGCAGTGATTACCGTGCCAGCCTATTTCAATGACTCTCAACGTCAGGCTACT
AAGGATGCAGGTGTGATTGCTGGACTTAATGTGCTAAGAATCATCAATGAGCCCACGGCT
GCTGCCATTGCCTATGGTTTAGATAAAGGAGGTCAAGGAGAACGACATGCTCCTGATTTTT
GATCTGGTGGAGGCACATTTGATGTGCAATTCTGACCATAGATGATGGGATTTTTGAG
GTAAGGCCACTGCTGGGACACTCACCTGGGTGGGAGGACTTTGACAACAGGCTTGTG
AGCCACTTCGTGGAGGAGTTCAAGAGGAAACACAAAAGGACATCAGCCAGAACAAGCGA
GCCGTGAGGCGGCTGCGCACCGCTGCGAGAGGGCCAAGAGGACCCTGTGCTCCAGCACC
CAGGCCAACCTAGAAATTGATTCACTTTATGAAGGCATTGACTTCTATACATCCATCACC
AGAGCTCGATTTGAAGAGTTGTGTGCAGACCTGTTTAGGGGTACCCTGGAGCCTGTAGAA
AAAGCGCTTCGGGATGCCAAGATGGATAAAGGCTAAAATCCATGACATTGTTTTAGTAGGG
GGCTCCACCCGCATCCCCAAGGTGCAGCGGCTGCTTCAGGACTACTTCAATGGACGTGAT
CTCAACAAGAGCATCAACCCTGATGAGGCCGTAGCATATGGGGCTGCGGTACAAGCAGCC
ATCCTGATGGGGACAAGTCTGAGAAGGTACAGGACCTGCTGCTGCTGGACGTGGCTCCC
CTGTCCCTGGGGCTGGAGACGGCTGGGGCGTGATGACTGCCCTGATAAAGCGCAACTCC
ACCATCCCCACCAAGCAGACACAGATTTTACCACCTACTCTGACAACCAACCCGGGGTG
CTGATCCAGGTGTATGAGGGCGAGAGGGCCATGACAAAGGACAACAACCTGCTGGGGCGG
TTTGACCTGACTGGAATCCCTCCAGCACCCAGGGGAGTTCCTCAGATCGAGGTGACGTTT
GACATTGATGCCAATGGTATTCTCAATGTCACAGCCATGGACAAGAGCACCGGCAAGGTG
AACAGATCACCATACCAATGACAAGGGCCGCTGAGCAAGGAGGAGATTGAGCGCATG
GTTCTGGATGCTGAGAAATATAAAGCTGAAGATGAGGTCCAGAGGGAGAAAATTGCTGCA
AAGAATGCCTTAGAATCCTATGCTTTTAAACATGAAGAGTGTGTGAGTGATGAAGTTTG
AAGGGCAAGATTAGTGAGTCTGATAAAAAATAAATATTGGATAAATGCAACGAGCTCCTT
TCGTGGCTGGAGGTCAATCAACTGGCAGAGAAAGATGAGTTTGATCATAAGAGAAAAGGAA
TTGGAGCAGATGTGTAACCCTATCATCACAAAACCTACCAAGGAGGATGCACTGGGCCT
GCCTGCGGAACAGGGTATGTGCCTGGAAGGCCTGCCACAGGCCCCACAATTGAAGAAGTA
GATTAA
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Clone variation with respect to NM_005527.3
1478 c=>t

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005527 unedited</p> <pre>TGATTTTGTATCCGACTTACTTATAGGGCGGCCGGAATTCGCACGAGGCTTTTAATTGT GGGGGCTTGCTGGGCCTGCGCAGTTGTGGGCAGGGGGCTGGTGCGGGAGCGGGTTACGC GCGTCCATGGGAGGGTGGGGGCGTTTGTGTTGACACCGCCCGCCACGTTACAATGGAGA TACTGTCTCTGACCTCATGGGCCAGTTTGGAAAAAGATTACTGAGTTGGAGCCGTCTCAA ATTTGCAGGGAGGGACGGGGTGGGGGTGGGGGACCCCGGTTGTCAGTTTGATATTGA GGGAGCCCCACCTACTCGCTGGGGCTGCGTAATCTGGACGTTTCCAAACTGAAGCGAAG GGTCCGGGAGACTAGGCCTCAGAGAACCATGGCTACTGCCAAGGGAATCGCCATAGGCAT CGACCTGGGCACCACTACTCCTGTGTGGNGGTGTTCCAGCACGGCAAGGTGGAGATCA TCGCCAACGACCAGGGCAACCGCACCCAGCTACGTGGCCTTACAGACACCGAGC GGCTCATTGGGGATGCGGCCAAGAACCAGGTAGCAATGAATCCCCAGAACACTGTTTTTG ATGCTAAACGTCTGATCGGCAGGAAATTAATGATCCTGTTGTACAAGCAGATATGAAAC TTTGGCCTTTTCAAGTGATTAATGACAGAGGCAAGCCCAAAGTCCTTGTCTCACAAG GGGAGAATAAAGCTTTCTACCCTGAGGAAATCTCTCGATGGTATTGACTAAGTTGAAAG AGACTGCTGAGGCCTTTTGGGCCACCCTGTTCCCAATGCAGTGATTACCGTGCCACCCT ATTTAATGACTCTCAACGTCAGCTATTAAGGATGACGGTGTGAATTGCTGTACT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005527 unedited</p> <pre>NGGGCNNCCCNNNNNNNNTTTNNNNNNNNNATTGACTTTGNACCNCGGNCCGCATNCT ANGATCGAGTTTTTTTTTTTTTTTTTTTCTTTACGAACAAATTTACTGATTGACAAATAAG CATCCACACCAGGAAGAAGAATGTTAGGGTGGCTTGGAAATAACAGACATTCAAATACAT CACACGGTTTAAAGAGGGCCTAGTTTTCTGAGTCCATTCCAAAGTCAAAAACAGGATG TGAGGGAGTGTGATAGGTGGTGCATGAGACTCCTTCTCCAGAATTTCCAAGGGATGGTAA CTTAGATTCAGGTCTGGTCAAGAATAATAATGATGTTTGAAGATGAGGGGAATGAAATAC ATGTAGAGGCATCCTAGGATGCTTCAGTTCTAAAAAGAATTAATCTACTTCTTCAATTGT GGGGCCTGTGGCAGGCCTTCCAGGCACATACCCTGTTCCGCAGGCAGGCCAGTGATCC TCCTTGGTAGAGTTTTGTGATGATAGGGTTACACATCTGCTCCAATTCCTTTCTCTTATG ATCAAACATCTTTCTCTGCCAGTTGATTGACCTCCAGCCACGAAAGGAGCTCGTTGCA TTTATCCAATATTTTATTTTTATCAGACTCACTAATCTTGCCCTTCAAACCTCATCACTC ACAACACTCTTNCATGTAAGAAGCATAGGGATTCTAAGGCATTNCTTGCAAGCATTCTTCTC CCTCTGGACCTCATCTTCAAGCTTATATTCTAGCATCCAGAACATGCGCTCAATCTCCT CCTTGCTCAGGGCCTTGNCAATGGTGTGGNGATCTTGTACCTTGCCCGGGCTCTTG TCATGGCTGTGACATGAAATACCATGGCATCATGTCAACGTCACCTCGATCTGAGAACTC CCTGGGGCTGGAGGGATTCAAGTCAAGTCAACCGCCACGGTTGGTGGCCTTTGTATGG GCCTTTCGCTAATAACTGAATAACACCCCGGGTGGTTGCAAAAAGGGGGAAAAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005527
Insert Size:	2620 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:	NM_005527.2 , NP_005518.2
RefSeq Size:	2509 bp
RefSeq ORF:	1926 bp
Locus ID:	3305
UniProt ID:	P34931
Cytogenetics:	6p21.33
Domains:	HSP70
Protein Pathways:	Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Spliceosome
Gene Summary:	This gene encodes a 70kDa heat shock protein. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which also encode isoforms of the 70kDa heat shock protein. [provided by RefSeq, Jul 2008]