

## Product datasheet for **MR210917**

### Hspa4 (NM\_008300) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hspa4 (NM_008300) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hspa4
Synonyms:	70kDa; AI317151; APG-2; Hsp70RY; Hsp110; mKIAA4025
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210917 representing NM\_008300  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTCGGTGGTGGGCATAGACCTGGGCTTTCAGAGCTGCTATGTCGCTGTGGCCCGCCGCGGCATCG  
AGACGATCGCTAACGAGTATAGCGACCGCTGCACGCCGGCATGTGTTCTTTTGGTCTAAGAATCGTTC  
AATTGGAGCAGCAGCTAAGAGCCAGTAATTTCTAATGCCAAGAACACAGTTCAAGGCTTTAAAAGATTC  
CATGGGCGTGCATTCTCCGATCCATTTGTGGAAGCAGAAAACTAATCTTGCATATGATATTGTGCAGT  
TGCCCACTGGATTAACGGGCATAAAGGTTACATATATGGAAGAAGAGAGGAATTTTACCACGGAACAAGT  
GACTGCCATGCTTTTGTGAAACTGAAGGAGACAGCAGAGAGTGTCTTAAGAAGCCTGTGGTAGACTGT  
GTTGTCTCGTTCCTAGTTTCTACACTGATGCAGAACGGCGGTGAGTGGATGCCACACAGATTGCTG  
GTCTCAATTGTTTGGGTAATGAATGAAACAACCTGCAGTTGCTCTTGGTATGGAATCTATAAACAAGA  
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GAAAAATTTGATGAGGTGTTGGTAAATCACTTCTGTGAAGAATTTGGAAAGAAATACAAGTAGACATAAA  
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GCTTCAGACCTCCCTTTGAGCATTGAGTGTGTTTATGAATGATATTGATGTGTCCGGAACATGAATAGAG  
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GGTACCATATCCAATATCTTTGCGATGGAATTTCCAGCTGAAGAGGGGTTAAGTGACTGTGAAGTCTTC  
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CCTACTATAGTTCTCCTCAGGATTTGCCATCCAGATCCTGCTATAGCTCAGTTCTCAGTTCAGAAAGT  
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AGTGTGTCCAGTCCGCTTGGTGGAGTGCACAAGTCTGAAGAGAGTGGAGGCCATGGAGACGGATC  
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GAAGCTAAAATTAAGGAGCTGACAAGTATTTGAGTCTTATAATTTCAAAACCAAAACCAAGTGGAAC  
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CCAGGCTGCTGAGCACGGTGCAGACACAGCTGTGCCTTCTGATGGCGACAAGAAGCTTCTGAGATGGAC  
ATTGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210917 representing NM\_008300  
 Red=Cloning site Green=Tags(s)

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MSVVGIDLGFQSCYVAVARAGGIETIANEYSDRCTPACVSFGPKNRSIGAAAKSQVISNAKNTVQGFKRF
HGRAFSDFPVEAEKSNLAYDIVQLPTGLTGIKVTYMEERNFTTEQVTAMLLSKLKETAESVLKPKPVVDC
VVSVPFSFYTDAERRSVMDATQIAGLNCLRMLNNETTAVALAYGIYKQDLPALEEKPRNVFVDMGHSAYQV
SVCAFNGKGLKVLATAFDTTLGGKRFDEVLVNHFCSEFGKKYKLDIKSKIRALLRLSQECEKLLKLSAN
ASDLPLSIECFMNDIDVSGTMNRGKFLMCDLLARVEPPLRSVLEQSKLKKEDIYAVEIVGGATRIPAV
KEKISKFFGKELSTTLNADEAVTRGCALQCAILSPAFAKVPRESITDVVPYPISLRWNSPAEEGLSDCEVF
PKNHAAPFSKVLTFYRKEPFTLEAYYSSPQDLPPDPAIAQFSVQKVTPQSDGSSSKVKVVRVNVHGIF
SVSSAALVEVHKSESEPEMETDQNAKEEEKMQVDQEEPHTEEQQQPQTPAENKAESEEMETSQAGSKD
KKTDQPPQAKKAKVKTSTVDLP IESQLLWQLDREMLGLYTENEGKMIMQDKLEKERNDAKNAVEEYVYEM
RDKLSGEYEKFSVEDDRNTFTLKLEDTENWL YEDGEDQPKQVYVDKLAELKSLGQP IKTRFQSEERPKL
FEELGKQIQQYMKVISSFKNKEDQYEHDAADVTKVEKSTNEAMEWMNSKLNLNQKQSL TVDPVVKTEI
EAKIKELTSICSPIISKPKKVEPPKEEPKHAEQNGPVDGQGDNPGSQAAEHGADTAVPSDGDKKLPEMD
ID
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9094\\_e04.zip](https://cdn.origene.com/chromatograms/mm9094_e04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

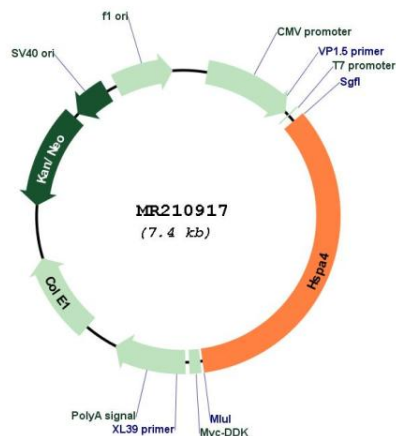
Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN:	NM_008300
ORF Size:	2526 bp
OTI Disclaimer:	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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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"><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>
RefSeq:	<a href="#">NM_008300.3</a> , <a href="#">NP_032326.3</a>
RefSeq Size:	4657 bp
RefSeq ORF:	2529 bp
Locus ID:	15525
Cytogenetics:	11 31.91 cM
MW:	94.2 kDa

### Product images:



Circular map for MR210917