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Product datasheet for RR215336

Hsp90aa1 (NM_175761) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsp90aa1 (NM_175761) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsp90aa1
Synonyms:	Hsp86; Hsp90; Hspca
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR215336 representing NM_175761
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTGAGGAAACCCAGACCCAAGACCAACCAATGGAGGAAGAGGAGGTCGAAACCTTTGCCTTTCAGG
CAGAAATTGCCCAGTTAATGTCCTTGATCATCAACACTTTCTACTCGAACAAAGAGATCTTTCTGAGGGA
GCTCATTTCCAACTCCTCAGACGCTCTGGATAAGATCAGATACGAGAGCTTGACCGACCCTAGTAAACTG
GACTCGGGGAAGGAGCTGCACATTAATCTCATTCCCAACAAGCAAGACCGAACCCTCACTATTGTGGATA
CTGGCATTGGAATGACCAAGGCTGACTTGATCAATAACCTTGGCACTATTGCCAAGTCAGGCACCAAAGC
CTTCATGGAGGCTTTGCAGGCTGGTGCAGATATCTCTATGATTGGCCAGTTTGGTGTTGGTTTTTACTCT
GCGTATTTGGTTGCTGAGAAAGTGACTGTCATCACCAAGCATAATGATGACGAGCAGTACGCCTGGGAGT
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CTTGCATCTAAAAGAAGACCAAACTGAGTATTTGGAGGAAAGGAGAATAAAAGAAATTGTGAAGAAACAT
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ACTGTGAGGAGTTAATCCCCGAGTATCTGAATTTCATCAGAGGGGTGGTGGATTCTGAGGATCTCCCTCT
AAATATTTCCCGTGAAATGCTGCAACAAAGCAAAATTCTGAAAGTTATCAGGAAGAATTTGGTCAAGAAA
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GCAAAGAAACACCTGGAGATAAACCCTGATCACTCCATTATTGAAACCTTAAGGCAAAAGGCAGAGGCTG
ACAAGAATGACAAGTCTGTGAAAGATCTGGTCATCTTGCTGTACGAAACAGCACTCCTGTCTTCCGGCTT
CAGTCTGGAAGATCCCCAGACCCATGCTAACAGGATCTACAGGATGATCAAGCTTGGTCTAGGTATTGAT
GAGGATGATCCTACTGTGGATGATACCAGTGCTGCTGTAACTGAAGAAATGCCACCCCTGGAAGGAGATG
ATGACACATCACGCATGGAAGAAGTAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

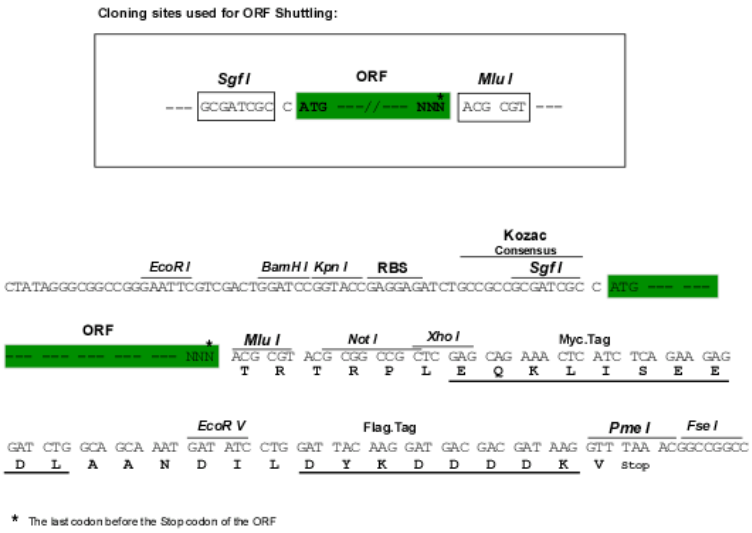
>RR215336 representing NM_175761
Red=Cloning site Green=Tags(s)

MPEETQTQDQPMEEEEVETFAFQAEIAQLMSLIINTFYSNKEIFLRELISNSSDALDKIRYESLTDPSKL
DSGKELHINLIPNKQDRTLTIVDTGIGMTKADLINNLGTIAKSGTKAFMEALQAGADISMIGQFGVGFYS
AYLVAEKVTVITKHNDDEQYAWESSAGGSFTVRTDTGEPMGRGTKVILHLKEDQTEYLEERRIKEIVKKH
SQFIGYPITLFVEKERDKEVSDDEAEEKEEKEEEKEKEEKESDDKPEIEDVGSDEEEEEKKDGDKKKKKK
IKEKYIDQEELNKTKPIWTRNPDDITNEEYGEFYKSLTNDWEEHLAVKHFSVEGQLEFRALLFVPRRAPF
DLFENRKKKNNIKLYVRRVFIMDNCEELIPEYLNFIRGVVDSEDLPLNISREMLQQSKILKVIRKNLVKK
CLELFTELAEDKENYKKFYEQFSKNIKLGIHEDSQNRKKLSELLRYYTSASGDEMVSLKDYCTRMKENQK
HIYFITGETKDQVANSAFVERLRKHGLEVIYMIEPIDEYCVQQLKEFEGKTLVSVTKEGLELPEDEEEKK
KQEEKKTKFENLCKIMKDILEKKVEKVVVSNRLVTSPCCIVTSTYGWTANMERIMKAQALRDNSTMGYMA
AKKHLEINPDHSIIETLRQKAEADKNDKSVKDLVILLYETALLSSGFSLEDPQTHANRIYRMIKLGLGID
EDDPTVDDTSAAVTEEMPPLEGDDDTSRMEEVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175761

ORF Size: 2199 bp

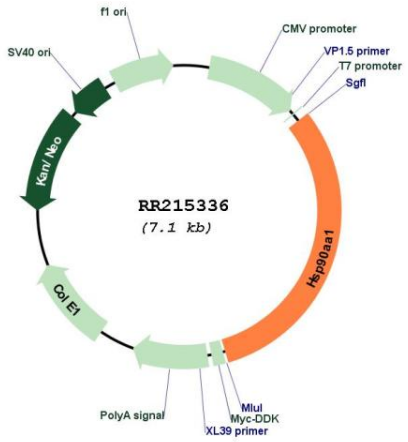
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially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

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:	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_175761.2, NP_786937.1
RefSeq Size:	2795 bp
RefSeq ORF:	2202 bp
Locus ID:	299331
UniProt ID:	P82995
Cytogenetics:	6q32
MW:	84.8 kDa
Gene Summary:	a molecular chaperone; involved in sequestering damaged proteins and in ATP-dependent folding of proteins [RGD, Feb 2006]

Product images:



Circular map for RR215336