OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC234778

HSP90AB1 (NM_001271970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSP90AB1 (NM_001271970) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HSP90AB1
Synonyms:	D6S182; HSP84; HSP90B; HSPC2; HSPCB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC234778 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

RCATGCCTGAGGAAGTGCACCATGGAGAGGAGGAGGTGGAGACTTTTGCCTTTCAGGCAGAAATTGCCCA
ACTCATGTCCCTCATCATCAATACCTTCTATTCCAACAAGGAGATTTTCCTTCGGGAGTTGATCTCTAAT
GCTTCTGATGCCTTGGACAAGATTCGCTATGAGAGCCTGACAGACCCTTCGAAGTTGGACAGTGGTAAAG
AGCTGAAAATTGACATCATCCCCAACCCTCAGGAACGTACCCTGACTTTGGTAGACACAGGCATTGGCAT
GACCAAAGCTGATCTCATAAATAATTTGGGAACCATTGCCAAGTCTGGTACTAAAGCATTCATGGAGGCT
CTTCAGGCTGGTGCAGACATCTCCATGATTGGGCAGTTTGGTGTTGGCTTTTATTCTGCCTACTTGGTGG
CAGAGAAAGTGGTTGTGATCACAAAGCACAACGATGATGAACAGTATGCTTGGGAGTCTTCTGCTGGAGG
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GAAAGGTGAGAAAGAAGAGGAAGATAAAGATGATGAAGAAAAGCCCAAGATCGAAGATGTGGGTTCAGAT
GAGGAGGATGACAGCGGTAAGGATAAGAAGAAGAAAACTAAGAAGATCAAAGAGAAATACATTGATCAGG
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ACCAAGGAGGGTCTGGAGCTGCCTGAGGATGAGGAGGAGAAGAAGAAGATGGAAGAGAGCAAGGCAAAGT
TTGAGAACCTCTGCAAGCTCATGAAAGAAATCTTAGATAAGAAGGTTGAGAAGGTGACAATCTCCAATAG
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CTGACCACCCCATTGTGGAGACGCTGCGGCAGAAGGCTGAGGCCGACAAGAATGATAAGGCAGTTAAGGA
CCTGGTGGTGCTGCTGTTTGAAACCGCCCTGCTATCTTCTGGCTTTTCCCTTGAGGATCCCCAGACCCAC
TCCAACCGCATCTATCGCATGATCAAGCTAGGTCTAGGTATTGATGAAGATGAAGTGGCAGCAGAGGAAC
CCAATGCTGCAGTTCCTGATGAGATCCCCCCTCTCGAGGGCGATGAGGATGCGTCTCGCATGGAAGAAGT
CGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234778 protein sequence
Red=Cloning site Green=Tags(s)

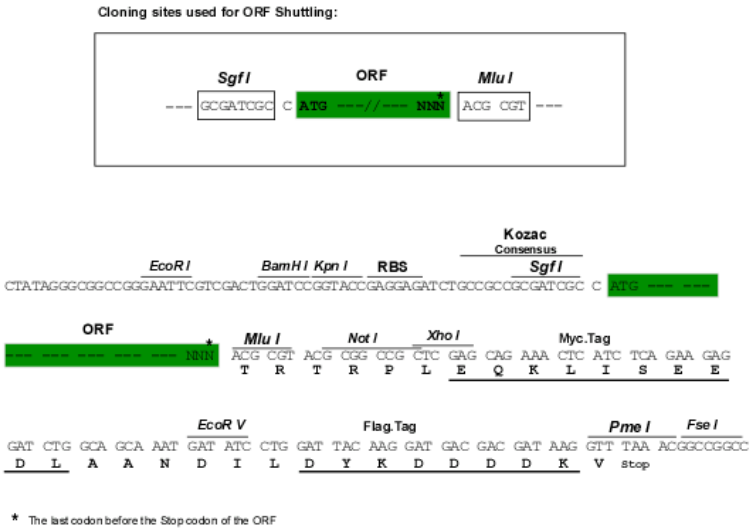
XCLRKCTMERRRWRLLPFRQKLPNSCPSSSIPSIPTRRFSFGS*SLMLLMPWTRFAMRA*QTLRSWTVVK
S*KLTSSPTLRNVP*LW*TQALA*PKLIS*IIWEPLPSLVLKHSWRLFRLVQTSP*LGSLVLAFILPTWW
QRKWL*SQSTTMMNSMLGSLLLEVPSLCVLTMVSPLAGVPK*SSILKKIRQST*KRGGSKK**RSILSS*
AIPSPFIWRRNERRKLVMMRQRKRKVRKKRKIKMMKKSPRSKMWVQMRRMTAVRIRRRKLRRSKRNTLIR
KN*TRPSLFGPETLMTSPKRSMENSTRASLMTGKTTWQSSTFL*KVSWNSGHCYLFLVGLPLTFLRTRRK
RTTSNSMSAVCSSWTAVMS*YQSISILSVVWLTLRICP*TSPEKCSSRAKS*KSFAKTLLRSALSSSLSW
QKTRRITRNSMRHSLKISSLESTKTPLTAAACLSCCAIIPPSLEMR*HLCQSMFLA*RRHRSPSITSLVR
AKSRWPTQLLWSECGNGASRWYI*PSPLTSTVCSSSRNLMGRAWSQLPRRVWSCLRMRRRRRRWKRARQS
LRTSASS*KKS*IRRLRR*QSPIDLCLHLAAL*PAPTAGQPIWSGS*KPRHFGTTPPWAI*WPKSTWRST
LTTPLWRRCGRRLRPTRMIRQLRTWWCCCLKPPCYLLAFPLRIPRPTPTASIA*SS*V*VLMKMKWQQRN
PMLQFLMRSPLSRAMRMRLAWKKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2549_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271970

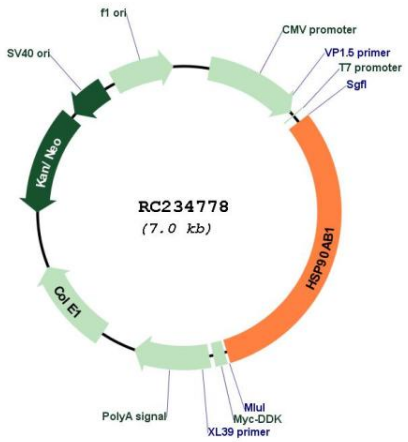
ORF Size: 2172 bp

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_001271970.1, NP_001258899.1
RefSeq Size:	2644 bp
RefSeq ORF:	2175 bp
Locus ID:	3326
UniProt ID:	P08238
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Antigen processing and presentation, NOD-like receptor signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer
MW:	83.3 kDa
Gene Summary:	This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Dec 2012]

Product images:



Circular map for RC234778