

Product datasheet for **RR211702**

Ahsa1 (NM_001115034) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ahsa1 (NM_001115034) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ahsa1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211702 representing NM_001115034
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCAAGTGGGGTGGGGGAGACCCACGCTGGATCGTGGAGGAGCGGGCGGACGCCACCAACGTCACACA
ACTGGCACTGGACAGAGAGGGATGCTTCAAATTTGGTCCACAGAGAACTGAAAACCTGTTCCTGGCCGT
CCGAGTAGAAAAATGAGGAGGGCAAGTGTGAGGTGACCGAAGTGAACAAGCTTGATGGAGAGGCGTCCATT
AACAAACCGAAAAGGCAAACCTTATCTTCTTTATGAGTGGACCATCAAACCTGAACTGGACAGGTACCTCTA
AGTCAGGAGTGCAGTACAAAGGACACGTGGAAATCCCAATTTGTCTGATGAAAAATAGCGTGGACGAAGT
GGAGATTAGTGTGAGCCTTGCCAAAGATGAGCCTGACACAAGTCTCGTGGCCTTAATGAAGGAAGACGGG
GTGAAACTTCTCAGAGAAGCAGTGGGAATTTACATCAGCACCCCTCAAGACAGAGTTTACTCAGGGCATGA
TCTTGCCACAGTGAATGGAGAATCAGTAGACCCAGTGGGCAACCAGCACTAAAAACGGAAGTGTGCAA
GGCTAAGTGTGCTCCTTCAAAAAGCCAGGCCAAACCTGTTGGTGTCAAAATACCCACTTGTAAAGATCACC
CTCAAAGAAACCTTCTGACCTCTCCAGAGGAGCTCTACAGAGTGTTCACCACGCAGGAGCTGGTCCAGG
CCTTTACCATGCTCCTGCGGCCTTGAAGCAGACAGAGGAGGGAAGTTTACATGGTGCATGGTAAACGT
CACTGGGGAGTTTACTGACTTGGTTCCTGAGAAACATATTGCTATGAAGTGGAGGTTTAAAGTCATGGCCA
GAGGGGCACTTCGCGACCATCACCTTGACCTTCATTGATAAGAATGGAGAGACAGAGCTGTGCATGGAGG
GCCGCGGCATCCCTGCTCCCGAGGAAGAGCGGACACGGCAAGGCTGGCAGCGGTACTACTTTGAGGGCAT
CAAACAGACCTTTGGCTATGGTGCACGCTTATT

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211702 representing NM_001115034
 Red=Cloning site Green=Tags(s)

MAKWGEGDPRWIVEERADATNVNHNHWHTERDASNWSTEKLTFLAVRVENEKGCEVTEVNKLDGEASI
 NNRKGGKLIFFYEWTIKLNWTGTSKSGVQYKGHVEIPNLSDENSVDEVEISVSLAKDEPDTSLVALMKEDG
 VKLLREAVGIYISTLKTEFTQGMILPTVNGESVDPVGPALKTEVCKAKCAPSKSQAKPVGVKIPTCKIT
 LKETFLT SPEEL YRVFTTQELVQAFTHAPAALEADRGGKFHMVDGNVTGEFTDLVPEKHIAMKWRFKSWP
 EGHFATITLTFIDKNGETELCMEGRGIPAPEEERTRQGWQRYFFEGIKQTFGYGARLF

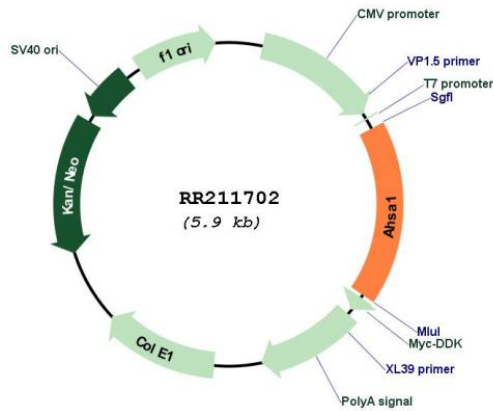
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001115034

ORF Size:	1014 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:	<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_001115034.1 , NP_001108506.1
RefSeq Size:	1391 bp
RefSeq ORF:	1017 bp
Locus ID:	681996
Cytogenetics:	6q31
MW:	38.1 kDa