

Product datasheet for MR205046

Ahsa1 (NM_146036) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ahsa1 (NM_146036) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ahsa1 |
| Synonyms: | BC023857; p38 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR205046 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAGTGGGGTGAGGGAGACCCACGCTGGATCGTGGAGGAGCGGGCGGACGCCACCAACGTCAACA
ACTGGCACTGGACAGAGAGAGATGCTTCAAATTGGTCCACAGAGAACTGAAAACCTGTTCTGGCCGT
TCGAGTAGAAAAAAGAGGGCAAGTGCAGGTGACCGAAGTGAACAAGCTTGATGGGGAGGCATCCATC
AACACAGGAAAGGCAAACCTTATCTTCTCTATGAGTGGACCATCAAACCTGAACTGGACAGGTACCTCTA
AGTCAGGAGTGCAGTACAAAGGACATGTGGAAATCCCAATTTGTCTGATGAAAAATAGCGTGGATGAAGT
GGAGATTAGTGTGAGCCTTGCCAAAGATGAGCCTGACACAAATCTCGTGGCCTTAATGAAGGAAGACGGG
GTGAAACTTCTGAGAGAAGCAGTGGGAATTTACATCAGCACCCCTCAAGACAGAGTTTACTCAGGGCATGA
TCTTGCCACAGTGAATGGAGAGTCAGTAGATCCAGTGGGCCAGCCAGCACTAAAGACTGAGACTTGCAA
GGCTAAGTCTGCTCCTTCAAAAAGCCAGGCCAAACCTGTTGGTGTCAAAAATCCCACTTGTAAAGATCACC
CTTAAAGAAACCTTCTGACCTCCCGAGAGGAGCTCTATAGAGTGTACCACGCAGGAGCTGGTCCAGG
CCTTTACCCATGCCCCCGCTGCCTTGAAGCCGACAGAGGTGGCAAGTTTACATGGTGCATGGCAACGT
CACCGGGGAGTTTACTGACCTGGTCCCGAGAAACACATTGCTATGAAGTGGAGGTTTAAAGTCATGGCCA
GAGGGGCACCTTGGCCACCATCACCTTGACCTTATTGACAAGAATGGAGAGACAGAGCTGTGCATGGAAG
GCCGTGGCATCCCTGCTCCTGAGGAAGAGCGGACGCGCAAGGCTGGCAGCGGTACTACTTTGAGGGCAT
CAAACAGACCTTTGGCTATGGTGCACGCTTGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205046 protein sequence
Red=Cloning site Green=Tags(s)

MAKWGEGDPRWI VEERADATN VNNWHWTERDASNWST EKLKTLFLAVRVENE EGKCEVTEV NKLDGEASI
 NNRK GKLIFFYEWTIKLNWTGTSKSGVQYKGHVEIPNLSDENSVD EVEISVSLAKDEPDTNLVALMKEDG
 VKLLREAVGIYISTLKTEFTQGMILPTVNGESVDPVGPALKTETCKAKSAPS KSKQAKPVGVKIPTCKIT
 LKETFLT SPEEL YRVFTTQELVQAFTHAPA ALEADRG GKFHMVDGNVTGEFTDLVPEKH IAMKWRFKSWP
 EGHFATITLTFIDKNGE TELCMEGRGIPAPEEERTRQGWQRY YFEGIKQTFGYGARLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_146036

ORF Size: 1017 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_146036.2](#)

RefSeq Size: 1330 bp

RefSeq ORF: 1017 bp

Locus ID: 217737

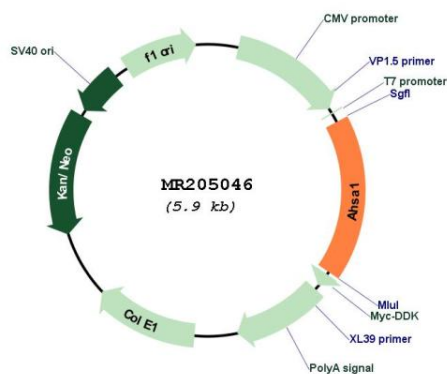
UniProt ID: [Q8BK64](#)

Cytogenetics: 12 D2

MW: 38.1 kDa

Gene Summary: Acts as a co-chaperone of HSP90AA1 (PubMed:29127155). Activates the ATPase activity of HSP90AA1 leading to increase in its chaperone activity (PubMed:29127155). Competes with the inhibitory co-chaperone FNIP1 for binding to HSP90AA1, thereby providing a reciprocal regulatory mechanism for chaperoning of client proteins (By similarity). Competes with the inhibitory co-chaperone TSC1 for binding to HSP90AA1, thereby providing a reciprocal regulatory mechanism for chaperoning of client proteins (PubMed:29127155). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205046