

Product datasheet for **MG205046**

Ahsa1 (NM_146036) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ahsa1 (NM_146036) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ahsa1
Synonyms: BC023857; p38
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205046 representing NM_146036
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAAGTGGGGTGAGGGAGACCCACGCTGGATCGTGGAGGAGCGGGCGGACGCCACCAACGTCAACA
 ACTGGCACTGGACAGAGAGAGATGCTTCAAATGGTCCACAGAGAACTGAAAACCTGTTCTGGCCGT
 TCGAGTAGAAAAAAGAGGGCAAGTGCAGGTGACCGAAGTGAACAAGCTTGATGGGGAGGCATCCATC
 AACACAGGAAAGGCAAACCTTATCTTCTCTATGAGTGGACCATCAAACCTGAACTGGACAGGTACCTCTA
 AGTCAGGAGTGCAGTACAAAGGACATGTGGAAATCCCAATTTGTCTGATGAAAAATAGCGTGGATGAAGT
 GGAGATTAGTGTGAGCCTTGCCAAAGATGAGCCTGACACAAATCTCGTGGCCTTAATGAAGGAAGACGGG
 GTGAAACTTCTGAGAGAAGCAGTGGGAATTTACATCAGCACCCCTCAAGACAGAGTTTACTCAGGGCATGA
 TCTTGCCACAGTGAATGGAGAGTCAGTAGATCCAGTGGGCCAGCCAGCACTAAAGACTGAGACTTGCAA
 GGCTAAGTCTGCTCCTTCAAAAAGCCAGGCCAAACCTGTTGGTGTCAAAAATCCCACTTGTAAAGATCACC
 CTTAAAGAAACCTTCTGACCTCCCGAGAGGAGCTCTATAGAGTGTACCACGCAGGAGCTGGTCCAGG
 CCTTTACCCATGCCCCCGCTGCCTTGAAGCCGACAGAGGTGGCAAGTTTACATGGTGCATGGCAACGT
 CACCGGGGAGTTTACTGACCTGGTCCCGAGAAACACATTGCTATGAAGTGGAGGTTTAAAGTCATGGCCA
 GAGGGGCATTTGCCACCATCACCTTGACCTTATTGACAAGAATGGAGAGACAGAGCTGTGCATGGAAG
 GCCGTGGCATCCCTGCTCCTGAGGAAGAGCGGACGCGCAAGGCTGGCAGCGGTACTACTTTGAGGGCAT
 CAAACAGACCTTTGGCTATGGTGCACGCTTGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205046 representing NM_146036
 Red=Cloning site Green=Tags(s)

MAKWEGDPRWIVEERADATNVNNWHWTERDASNWSTEKLTFLAVRVENEEGKCEVTEVKNLDGEASI
 NNRKGGKLIFFYEWTIKLNWTGTSKSGVQYKGHVEIPNLSSENSVDEVEISVSLAKDEPDTNLVALMKEDG
 VKLLREAVGIYISTLKTEFTQGMILPTVNGESVDPVGPALKTETCKAKSAPSKSQAKPVGVKIPTCKIT
 LKETFLTSPHEELYRVFTTQELVQAFTHAPAALADRGKGFHMVDGNVTGEFTDLVPEKHIAMKWRFKSWP
 EGHFATITLTFIDKNGETELCMEGRGIPAPEEERTRQGWQRYRFEGIKQTFGYGARLF

TRTRPLE - GFP Tag - V

Restriction Sites:

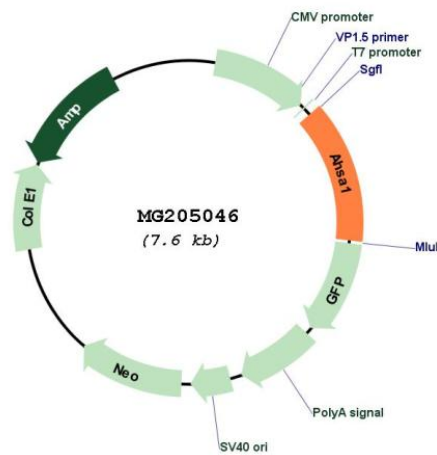
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_146036

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_146036.2
RefSeq Size:	1330 bp
RefSeq ORF:	1017 bp
Locus ID:	217737
UniProt ID:	Q8BK64
Cytogenetics:	12 D2
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]