

Product datasheet for **RR208449**

Ahsg (NM_012898) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ahsg (NM_012898) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ahsg
Synonyms:	Aa2-066; pp63
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208449 representing NM_012898 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTCCTGGTCTGCTCCTTTGTTTTGCTCAGCTCTGGAGCTGCCAATCAGCTCCACAAGGTGCAG
GGCTGGGTTTTTCGAGAATTGGCTTGTGATGACCCGAAACAGAGCATGTAGCTTTGATAGCCGTGCACTA
CCTCAATAAACATCTTCTCAGGGATTCAGGCAGATCTTGAATCAGATTGACAAAGTCAAGGTGTGGTCT
CGGCGGCCCTTCGACAGGTGTATGAGTTGGAAATTGACACGCTGGAGACAACTGCCACGCTCTGGACC
CAACCCCTTAGCAAATTGTTCTGTGAGGCAACAGGCCGAGCATGCGGTGGAGGGAGACTGTGACTTCCA
CATCCTGAAACAAGATGGCCAGTTCAGGGTGTACACGCCAGTGTCAATCCACACCAGACTCTGCAGAG
GACGTTTCGGAAGTTTTGCCACGATGCCAATCCTGATCCGGTTCATGACACCAACGTGGTCCACACTG
TCAAACTGCCCTGGCTGCCTTCAATGCACAGAATAATGGAACCTATTTAACTGGTGGAGATTTCCCG
AGCTCAAATGTGCCTTTCCCGGTGTCTACTCTCGTGGAGTTTGTGATAGCTGCGACTGACTGTACTGGT
CAGGAGTCCAGATCCAGCCAAATGCAACCTGCTGCCAGAAAAGCAATATGGCTTCTGCAAGGCCACTC
TCATCCACAGACTTGGTGGGAAGAGGTTTCAGTGGCCTGCAAGTTATTCAGACACACCCAGCCAGCAGC
CAATGCCAACCTGCAGTCTGCACCCACAGTGGCCAAAGCTGCGCCTGTAGCCCAACAGCTGGCCCA
CCTGAATCCGTGGTGGTAGGACCCGTGGCAGTTCCTCTAGGACTTCCAGACCACCGAACCCACCATGACC
TACGGCATGCCTTCTCTCTGTGGCTTCTGTGGAGTCGGCCTCAGGAGAAGTTCTTCACTCACCTAAGGT
GGGCCAGCCTGGTACGCTGGTGTCTGGCCAGTGGCCCCCTGTGCCAGGGAGAGTCAGATACTTC
AAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208449 representing NM_012898
 Red=Cloning site Green=Tags(s)

MKSLVLLLCAQLWSCQSAPQAGLGFRELACDDPETEHVALIAVHYLNKHLQGFRQILNQIDKVKVWS
 RRPFGQVYELEIDTLETTCHALDPTPLANCSVRQQAHAHAVEGDCDFHILKQDQFRVLAQCHSTPDSAE
 DVRKFCPRCPILIRFNDTNVHTVKTALAAFNAQNNGTYFKLVEISRAQNVFPVSTLVEFVIAATDCTG
 QEVTDPAKCNLLAEKQYGFCKATLIHRLGGEEVSVACKLFQTQPANANPAGPAPTGVQAAPVAPPAGP
 PESVVVGPVAVPLGLPDHRTTHDLRHAFFSPVASVESASGEVLHSPKVGQPGDAGAAGPVAPLCPGRVRYF
 KI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

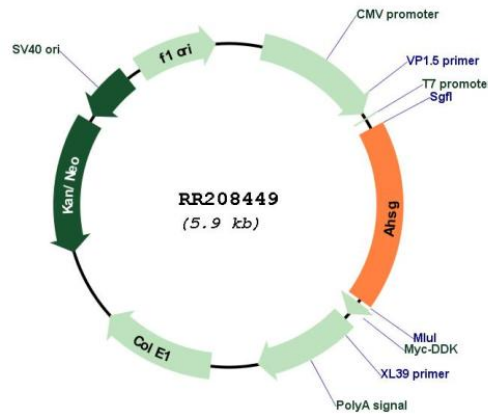
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012898

ORF Size:	1056 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_012898.4 , NP_037030.1
RefSeq Size:	1490 bp
RefSeq ORF:	1059 bp
Locus ID:	25373
UniProt ID:	P24090
Cytogenetics:	11q23
MW:	38 kDa
Gene Summary:	inhibits insulin receptor tyrosine kinase activity; may be involved in bone mineralization and immune response [RGD, Feb 2006]