

Product datasheet for **MR215907**

Aven (NM_001165935) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aven (NM_001165935) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aven
Synonyms:	1700013A01Rik; 1700056A21Rik; mAven-L; mAven-S
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215907 representing NM_001165935 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCGAAGCACGTGGAACCCGGGAGATTGGAGGGGACTCCTTTTCACAGTTCCGATTTGCTGAGGAGA
AAGAATGGGATGGTGAACTTCATGTCCAAAACAGAATTCAGCACTCTACGTGGACAGTGAGTCACTGGT
TCGAGCCCTTGAGCAGCTGCCTCTTGCAGTCCGGCTTAATGTTGCTTCAGAATTGATCCAGACCACAATT
CCTTTAGAACTTCCACAGGTGAAACCAAGGAGAAACGATGATGGCAAGGAGCTGGGCATGCATTTAAGG
GACCCATCTCTGAGCTCAGATCTGCTGCTGGTGTGCTTGGCCAGGTCTCTGGCAGAGGCAGTCTAAGGCA
AAGCCCTTTAGAAGGTTTGCAGAAAGCACCTACCCCAACACAGTCAAGTGGCAGACCACCTGGAAGAAGAA
CTAGATATGTTGCTGCATTTAGATGCACCTGTGCAAGAGGAAGGCAATATCTCTCCAGACCAGACATCTC
GGGACCAGGAACCAGAAAAAGATGGGCAGGTAGCCAGGAGGAAACAGGTCTGAAAAACCTTCTGTGAC
CAGAGAGAAGAAATGTGGAACCTGAGCAGCCAAGCACATCGAAGAATGTCACCGAGGAAGAGCTGGAGGAC
TGGCTGGACAGCATGATTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215907 representing NM_001165935
 Red=Cloning site Green=Tags(s)

MFEARGTREIGGDSFSQFRFAEEKEWDGETSCPKQNSALYVDSESLVRALEQLPLAVRLNVASELIQTTI
 PLELPQVKPRRNDGKELGMHLRGPISLRSAAAGACPRSLGRGSLRQSPLEGLQKAPTPTQSVADHLEEE
 LDMLLHLDAPVQEEGNI SPDQTSRDQEPEKDGQVAQEETGPEKPSVTREKNVEPEQPSTSKNVTEEELED
 WLDSMIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001165935

ORF Size: 651 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_001165935.1](#), [NP_001159407.1](#)

RefSeq Size: 1102 bp

RefSeq ORF: 654 bp

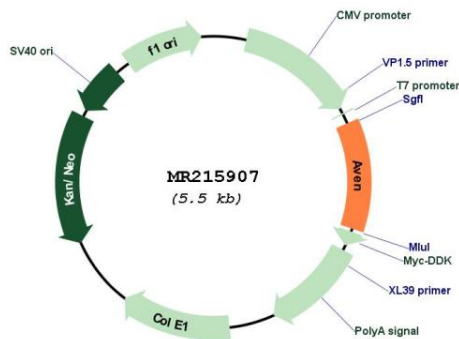
Locus ID: 74268

Cytogenetics: 2 E3

MW: 24.5 kDa

Gene Summary: Protects against apoptosis mediated by Apaf-1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215907