

Product datasheet for MR217465

Aven (NM_028844) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aven (NM_028844) 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:	>MR217465 representing NM_028844 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGCTGAGCGCGGGGCTAGGGGGCGCCGCGGGCGGGAGGCCGGGAGCGGCCCGAGGGGACC
GAGAGCCGGTCGGGCAGCGACGCGCTGGCGAGAGGAGGCTGCGGGACGGAGGCGGCCGGGGCCG
AGGCCGGGCTCCGCCGAGGCCGAGGAGGTGGCGCCTGCGAGGCGGCCGCTGGGAGCCTGGAGCCGG
GGCGCGGAGCCAGCACTCGGTGGAAGAAGACAGCGATTAGAGACCTATGGAGAAGAGAATGATGAGC
AAGGAAATTTTTCTAGAAGAAAGATTGTCTCAACTGGGATCGCTATCAAGATACTGAAAAGGAGGTCAA
TGGTAAAAGTGGAGAATCTCAGCGGGGCACAGACTTCAGTGTCTCTGAGCTCTGCAGGGGACTCCTTT
TCACAGTCCGATTTGCTGAGGAGAAAAGATGGGATGGTAAAACCTCATGTCCAAAAACAGAAATTCAGCAC
TCTACGTGGACAGTGAGTCACTGGTTCGAGCCCTTGAGCAGCTGCCTCTTGACGTCCGGCTTAATGTTGC
TTCAGAATTGATCCAGACCACAATTCCTTTAGAACTCCACAGGTGAAACCAAGGAGAAACGATGATGGC
AAGGAGCTGGGCATGCATTTAAGGGACCCATCTCTGAGCTCAGATCTGCTGCTGGTGGTGGCCCGGT
CTCTGGGAGAGGAGTCTAAGGCAAAGCCCTTTAGAAGTGGTGCAGAAAGCACCTACCCCAACACAGTC
AGTGGCAGACCACCTGGAAGAAGAACTAGATATGTTGCTGCATTTAGATGCACCTGTGCAAGAGGAAAGC
AATATCTCTCCAGACCAGACATCTCGGGACCAGGAACAGAAAAAGATGGGCAGGTAGCCAGGAGGAAA
CAGGTCTGAAAAACCTTCTGTGACCAGAGAGAAGAAATGTGGAACCTGAGCAGCCAAGCACATCGAAGAA
TGTCACCGAGGAAGAGCTGGAGGACTGGCTGGACAGCATGATTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217465 representing NM_028844
Red=Cloning site Green=Tags(s)

MQAERGARGGRRRGRERPGGDREPVGAATALARGGCGDGGRRRGRGRGFRFRGRGGGLRGGRWEPGGR
 GGGASTRVEEDSDSETYGEENDEQGNFSRRKIVSNWDRYQDTEKEVNGESGESQRGTDFSVLLSSAGDSF
 SQFRFAEEKEWDGETSCPKNQNSALYVDSESLVRALEQLPLAVRLNVASELIQTTIPELPPQVKPRRNDG
 KELGMHLRGPISELRSAAGACPRSLGRGSLRQSPLEGLQKAPTPTQSVADHLEEELDMLLHLDAPVQEEG
 NISPDQTSRDQEPEKDGQVAQEETGPEKPSVTREKNVEPEQPSTSKNVTEEELEDWLDMSIS

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_028844

ORF Size: 1026 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_028844.3](#), [NP_083120.2](#)

RefSeq Size: 1432 bp

RefSeq ORF: 1029 bp

Locus ID: 74268

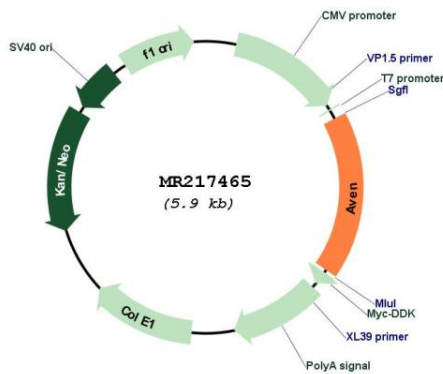
UniProt ID: [Q9D9K3](#)

Cytogenetics: 2 E3

MW: 37.6 kDa

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

Product images:



Circular map for MR217465