

Product datasheet for **MG215907**

Aven (NM_001165935) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Tag: | TurboGFP |
| Symbol: | Aven |
| Synonyms: | 1700013A01Rik; 1700056A21Rik; mAven-L; mAven-S |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |

ORF Nucleotide Sequence: >MG215907 representing NM_001165935
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTGAAGCACGTGGAACCCGGGAGATTGGAGGGGACTCCTTTTCACAGTTCCGATTTGCTGAGGAGA
AAGAATGGGATGGTGAAACTTCATGTCCAAAACAGAATTCAGCACTCTACGTGGACAGTGAGTCACTGGT
TCGAGCCCTTGAGCAGCTGCCTCTTGCACTCCGGCTTAATGTTGCTTCAGAATTGATCCAGACCACAATT
CCTTTAGAAGTTCCACAGGTGAAACCAAGGAGAAACGATGATGGCAAGGAGCTGGGCATGCATTTAAGGG
GACCCATCTCTGAGCTCAGATCTGCTGCTGGTGTGCTTGCCTCCAGGTCCTGGGCAGAGGCAAGTCTAAGGCA
AAGCCCTTTAGAAGTTTGCAGAAAGCACCTACCCCAACACAGTCAGTGGCAGACCACCTGGAAGAAGAA
CTAGATATGTTGCTGCATTTAGATGCACCTGTGCAAGAGGAAGGCAATATCTCTCCAGACCAGACATCTC
GGGACCAGGAACCAGAAAAGATGGGCAGGTAGCCAGGAGGAAACAGGTCTGAAAAACCTTCTGTGAC
CAGAGAGAAGAATGTGGAACCTGAGCAGCCAAGCACATCGAAGAATGTCACCGAGGAAGAGCTGGAGGAC
TGGCTGGACAGCATGATTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215907 representing NM_001165935
Red=Cloning site Green=Tags(s)

MFEARGTREIGGDSFSQFRFAEEKEWDGETSCPQNSALYVDESLVRALEQLPLAVRLNVASELIQTTI
PLELPQVKPRRNDGKELGMHLRGPISELRSAAGACPRSLGRGSLRQSPLEGLQKAPTPTQSVADHLEEE
LDMLLHLDAPVQEEGNI SPDQTSRDQEPEKDGQVAQEETGPEKPSVTREKNVEPEQPSTSKNVTEEELED
WLDISMIS

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001165935.1](#), [NP_001159407.1](#)

RefSeq Size: 1102 bp

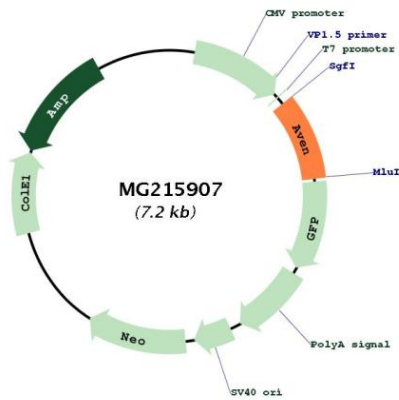
RefSeq ORF: 654 bp

Locus ID: 74268

Cytogenetics: 2 E3

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

Product images:



Circular map for MG215907