

Product datasheet for RN210881

Aen (NM_001108487) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Aen (NM_001108487) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Aen
 Synonyms: lsg2011; RGD1305051
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN210881 representing NM_001108487
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCCAGGGAAGTCCCTGAGTCTTCCCTCACTAGCCTGAAGACCAAGGATGTGGCTCGGAGGAGAC
 AAAAAAGGAGAAGCCGGCAGCACCAGCGGTTTCATGGCCCGCAAGGCTTGCTTCAGGAGCAGGAGTCGTT
 GAGCATGGTACCAGGGCCAGGACTCTGCCCTCTGCCCTCCCAACACAGACGCCAGCAGGCACAGAGGCT
 TCAGGCAACAGGAAACAACGTACCAAGGCCAGGCTGGCAGCAAAGGCCGTGTGTAGCAAAAGGCCGTGCC
 CCAGAGAAGCCCCAAGCTCTGGGCCAGCAAGTATGTGGCCATTGACTGTGAGATGGTGGGTACCGGCC
 CCAAGGGCGAGTGAGTGAGCTAGCCCGTCTCCGTGGTGAGTTACAGTGGTGATGTTCTCTATGACAAG
 TACATCCGGCCTGAAATGCCATTGTGGACTATCGAACCCTGGAGCGGCATTACCCGTCAGCACATGC
 ACAAGGCTATCCCCTTTCAGGTGGCCAGAGGAGATCCTTAAGCTGCTGAAGGGCAAGTGGTGGTGGG
 GCATGCACTGCACAATGACTTCCAGGCCCTGAAGTACGTCCACCCTGGGAGCCAGATCCGGGATACGACT
 TATGTCCCAAACCTGCTCAGCCAGCCAGCTCCCTCACCCGAGCTCGGGTCTCTCTTAAGGACCTGGCCC
 TGAACCTGCTGCACAAGAAGATCCAGGTAGGTCACCATGGACACTCATCTGTGGAGGATGCCATGACAGC
 CATGGAGCTGTACCAGCTGGTGGAGGTGCAGTGGGAACAGCAAGTGGCCAGCACCCGCAAGGCCCATCCT
 GAGGACAGGGCCCTGACAGCAGCACTGATGTGGAGCAGTACATGGACGACCAGTACTGGCCTGAGGACC
 TGGCCAGAGCACCAGGGGAGACACAAGGGAGGCCAGGATAGACAGGAGGGAGAGGAAGGGCAGGGAGC
 CAGGAGTGCTCCTCC**TAG**

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001108487



[View online »](#)

Insert Size:	999 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001108487.2</u> , <u>NP_001101957.1</u>
RefSeq Size:	2402 bp
RefSeq ORF:	999 bp
Locus ID:	361594
UniProt ID:	<u>B2GUW6</u>
Cytogenetics:	1q31
Gene Summary:	Exonuclease with activity against single- and double-stranded DNA and RNA. Mediates p53-induced apoptosis. When induced by p53 following DNA damage, digests double-stranded DNA to form single-stranded DNA and amplifies DNA damage signals, leading to enhancement of apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]