OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC210680

Aen (NM_001162939) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aen (NM_001162939) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aen
Synonyms:	2700083B06Rik; Isg20l1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

```
>MC210680 representing NM_001162939
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCGCAAGGCCTTGCTTCAGGAGCAGGAGCTGTTGAGCACGGCACCAGGGCCAGGTCTCTGCCTTC
TGCCTTCACCATCACAGATGCCAGCGGTCACAGAGGCTTCGGACAGCAGGAGGCAACGTCCCAAGGCCAG
GTCCGGCAGCAATGGCCTGTGCAGCAAAAAGTCTGTCCCCAGAGAAGCTCCAAGACCTGGGCCCATCAAG
TGTGTGGCCATTGACTGTGAGATGGTGGGTACGGGCCCCCAAGGACGGGTGAGCGAGCTAGCCCGCTGCT
CTGTGGTGAGCTACAGTGGTGACGTTCTCTATGACAAATACATCCGGCCTGAAATGCCCATTGTGGACTA
TCGCACCCGCTGGAGTGGCATCACCCGCCAGCACATGCACAAGGCTATCCCCTTTCAGGTGGCCCAGAAG
GAGATCCTTAAGCTGTTGAAGGGCAAGGTGGTGGTGGGGCACGCACTGCACAATGACTTCCAGGCCCTGA
AGTACGTCCACCCTCGGAGCCAGACCCGGGATACCACTTATGTCCCAAACCTGCTCAGCCAGCCCAGCTC
CCTTATCCGAACTCGGGTCTCTCTTAAGGACCTGGCCTTGAACCTGCTGCACAAGAAGATCCAGGTCGGT
CACCAGGGCCACTCATCTGTGGAAGATGCCATGACAGCCATGGAGTTGTACCAGCTGGTGGAGGTGCAGT
GGGAGCAGCAAGTGGCCAGCTCTGCCCAGGCCCCTGCTGAGGACAGGGGGCCCGACAGCAGCACTGACGT
GGAGCAGTACATGGACGACCAGTACTGGCCCGAGGACCTGACCCAGAGCACCGGGGCCGAGACAAATGGA
GGCCCAGATAGACAGGAGGGAGAGGAAGGGCAGGGAGCCAGGAGTGCTCCTCCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_001162939
Insert Size:	897 bp

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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:	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_001162939.1, NP_001156411.1
RefSeq Size:	2466 bp
RefSeq ORF:	897 bp
Locus ID:	68048
UniProt ID:	Q9CZI9
Cytogenetics:	7 D2
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] Transcript Variant: This variant (2) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US