

Product datasheet for MR223156

Atad2 (NM_027435) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atad2 (NM_027435) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atad2
Synonyms:	2610509G12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223156 representing NM_027435 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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Protein Sequence: >MR223156 representing NM_027435
 Red=Cloning site Green=Tags(s)

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LKQASKPPV S QKKA VLQALEVLPVAPPPEPRPLTAEVVKRLEE QEEDTFRELRIFLRNVTHRLAIDKRF
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9032_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



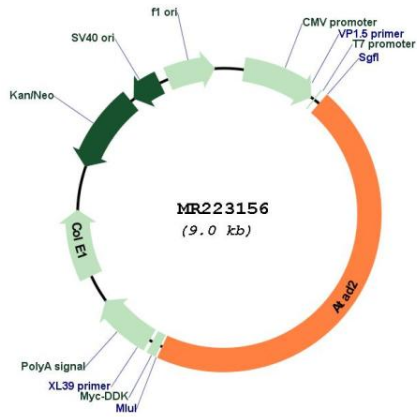
* The last codon before the Stop codon of the ORF

ACCN: NM_027435

ORF Size: 4092 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:	<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:	NM_027435.2 , NP_081711.2
RefSeq Size:	5683 bp
RefSeq ORF:	4095 bp
Locus ID:	70472
UniProt ID:	Q8CDM1
Cytogenetics:	15 D1
MW:	155.7 kDa
Gene Summary:	May be a transcriptional coactivator of the nuclear receptor ESR1 required to induce the expression of a subset of estradiol target genes, such as CCND1, MYC and E2F1. May play a role in the recruitment or occupancy of CREBBP at some ESR1 target gene promoters. May be required for histone hyperacetylation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223156