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Product datasheet for RC218291

ATAD2 (NM_014109) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATAD2 (NM_014109) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ATAD2
Synonyms:	ANCCA; CT137; PRO2000
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC218291 representing NM_014109
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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GTAGCATTTTTCATGAGGAAAGGTGCTGATTGTCTAAGTAAATGGGTAGGAGAATCTGAAAGACAGCTAC
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Protein Sequence:

>RC218291 representing NM_014109
Red=Cloning site Green=Tags(s)

MVVLRSSLELHNHSAASATGSLDLSSDFLSLEHIGRRRLRSAGAAQKKPAATTAKAGDGSSVKEVETYHR
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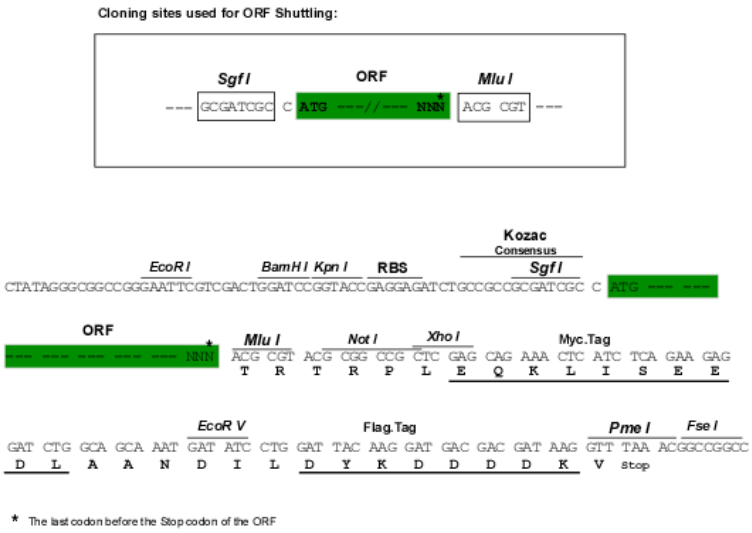
Chromatograms: https://cdn.origene.com/chromatograms/mg2755_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

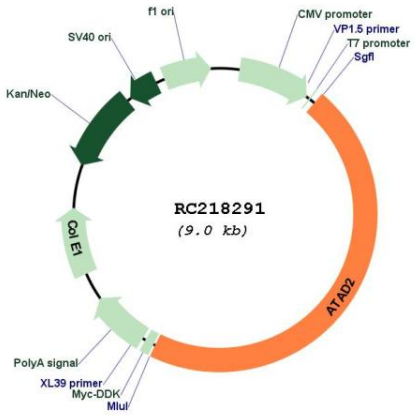


ACCN: NM_014109

ORF Size: 4170 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_014109.4
RefSeq Size:	4916 bp
RefSeq ORF:	4173 bp
Locus ID:	29028
UniProt ID:	Q6PL18
Cytogenetics:	8q24.13
Domains:	BROMO, AAA, AAA
Protein Families:	Druggable Genome
MW:	158.4 kDa
Gene Summary:	A large family of ATPases has been described, whose key feature is that they share a conserved region of about 220 amino acids that contains an ATP-binding site. The proteins that belong to this family either contain one or two AAA (ATPases Associated with diverse cellular Activities) domains. AAA family proteins often perform chaperone-like functions that assist in the assembly, operation, or disassembly of protein complexes. The protein encoded by this gene contains two AAA domains, as well as a bromodomain. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC218291