

Product datasheet for **SC115155**

ATAD2 (NM_014109) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATAD2 (NM_014109) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATAD2
Synonyms:	ANCCA; CT137; PRO2000
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014109, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGTTCTCCGCAGCAGCTTGGAGTGCACAACCACTCCGCGGCTCGGCCACGGGCTCCTTGACC
TGTCCAGTGACTTCTCAGTCTGGAGCAGCATCGGCCGAGGCGGCTCCGCTCGGCCGCGCGGCAGAA
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TCCAGTACGGTCAAGCAGGCAAGATCAGATTCACAGTTCTATTGTTTCCACCCTGCTAGCTCTTATGGAT
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014109 unedited
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 CTCGGTTCGCGCACGCCGAGGCCAGTAGGGAGAGAAGATGGTGGTTCTCCGCAGCAGCTT
 GGAGCTGCACAACCACTCCGCGGCTCGGCCACGGGCTCCTTGGACCTGTCCAGTGACTT
 CCTCAGTCTGGAGCACATCGGCCGAGGGCGGCTCCGCTCGGCCGCGCGGCGCAGAAGAA
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 CCACCGGACACGTGCTTTAAGATCTTTGAGAAAAGATGCACAGAATTCTTCAGATTCTAG
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 TGATGACCATGATGATGATGATGATGATGATGAAAATGATGAAATTGAANAAGATGGGNA
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014109 unedited
 TATGGAACCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 CCAGGATATAAATATATTTAAATGTTCTCAGTGACTGGCATTGCTTTATGCATTACATAA
 GATAGTATGTACTAATTAAGGTATTGAATTCAGTGGGTTTTAAAAGGCTTTAAAAAAAT
 CCAGATAAATCAACAACAAAAATACAGCTCAACTTTGAACTGCATTAAAAATCCAAAATCT
 CTCATTTTAGATGACCATTCCCTATTCCCCTCAAAAGGTTTCCAACAGAAGCTATTTAC
 AAAGTATTATTAATGTTCTTCTCCCACTCTCCCAAAAGCAAGTATGCATGGAAGTG
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 CACTCTGGCTTTTAAATGAAGACGAAGGGATCTCAAGGCAGATGGAGGAGGGCATTGAG
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 ATAACTATTTTTAGAAAGATAAAATTAATGCTTAAACAACAATTAAGCTGCTATTA
 TCTTAGGTGCCTAAACATATTACAAAAACTTTTAAAGAGTGGCGACTTCACTTTATACAT
 T

Restriction Sites:

NotI-NotI

ACCN:

NM_014109

Insert Size:

5420 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:

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_014109.2](#), [NP_054828.2](#)

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

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]