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Product datasheet for MC224343

Atad2 (NM_027435) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atad2 (NM_027435) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atad2
Synonyms:	2610509G12Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224343 representing NM_027435 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTGGTCCTCCGCAGCAGCCTGGAGCTGCACAGTCGCTCCACCACCTCCTCGGCCACCGACTCTCTGG ACCTGTCCAGTGAGTTCCTCAGCCTGCAGGACAGCGGCGGGAGGCGGCCCAGATTGCGCCGAGCCGGGAG GAAATCGACGGCGTCCAAGGCGGCGGGCGATGGATTCACAGTTAAGGGAGCTGAAACCTACCACAACACG CGCTCTTTAAGGTCTCTGAGAAACCAAGCACAAACTTCTTCAGAGTCTAGTTTTGACAAGAACGTGGACA GAACAGAGAAATACTCCAATGGCAGACATTTCACAAGGCAATTTGCTCGACAGCAGGCTGATAAAAAAGA AGAGTGCAAAGAAGACAAAGTTATTCCAGTTATTCGCTCATTGAGGAATAGAAACATTGCTCCAACTGCA GAACATTTGCACGAACAAAGTGGAGATGTTGAAGTTCGAAGAAGTTGCAGGATTAGAAGTCGTTACAGTA CCATGAACCAGTCTGTGCTATTTGACAAGCTTATAACAAACACTGCTGAAGCTGTACTTCAAAAGATGGA TGACATGAAAAAGATGCGCAGACAGCGGATGAAGAAGCTTGAAGACTTGGGAGTATTCAATGAAACAGAA GAGAGTAATCTCACTATGTACACAAGAGGAAAACTAAAGGCTATCCAGCGAGCTGATGAAGAAACAACTG ATAACCAGGACGGCAGTGTGGAATCATCTGAAGAGGGGGAAGAGCAAGAGGATGATGATGGCGAAGATGA AGATGATGAAGATGAAGAAGAGGGAGAAGAAGATAATCAAAAAAGATACTATCTTAGGCAGAGAAAAACA ACGGTTTACTACCAGTCTCCACTGGAAAGTAAACCTCGTCACCAGAGAAAGCCCAACATGTTTTATAGTG GCCCAGCTTCTCCTGCAAGACCAAGATTCCGCTTGTCTTCTACGGGACCAAGAAGTCCCTATTGTAAACG AATGAGCAGGCGAAGGCATGCCATCCACAGCAGTGACTCTACTTCCTCCTCCTCCTCTGAAGACGACTGT TTTGAGAGGAGAACAAAAAGGAACCGAAATAGAGCTATTAACAGGTGCCTCCCACTAAATTTTCGGAAAG ATGAAATAAGAGGGATTTATAAAGATCGAATGAAAATTGGAGCAAGCCTTGCTGATGTTGACCCAATGCA ACTAGATACTTCAGTGCGCTTTGACAGTGTTGGCGGCCTGTCCAGTCACATTGCAGCTCTAAAAGAGATG GTGGTGTTTCCCTTACTTTATCCAGAAGTCTTCGAAAAGTTTAAAATTCAACCCCCAAGAGGTTGTTTGT TTTATGGACCACCTGGAACTGGAAAAACCCTGGTTGCTAGAGCACTTGCCAATGAGTGCAGCCGAGGGGA TAAGAGAGTGGCGTTCTTCATGAGGAAAGGTGCTGACTGCCTGAGTAAATGGGTAGGAGAATCTGAGAGA CAGCTTCGGTTGCTATTTGACCAGGCCTATCAGATGCGCCCAGCAATTATATTCTTTGATGAAATTGATG

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AAGCAGTAGAAAACTTCAATTGTTCCAGATCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027435

Insert Size: 4095 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_027435.2, NP_081711.2
RefSeq Size:	5683 bp
RefSeq ORF:	4095 bp
Locus ID:	70472
UniProt ID:	Q8CDM1
Cytogenetics:	15 D1
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]