ATAD2 cDNA Clone – Atpase Family, AAA Domain Containing 2 (Human)

PRODUCT OVERVIEW

Product Name	ATAD2, cDNA Clone
Full Product Name	ATAD2 cDNA Clone
Product Gene Name	ATAD2 cdna clone
Sequence	atggaccttt catctgtaat cagtaaaatt gatctacaca agtatctgac tgtgaaagac tatttgagag atattgatct aatctgtagt aatgccttag aatacaatcc agatagagat cctggagatc gtcttattag gcatagagcc tgtgctttaa gagatactgc ctatgccata attaaagaag aacttgatga agactttgag cagctctgtg aagaaattca ggaatctaga aagaaaagag gttgtagctc ctccaaatat gccccgtctt actaccatgt gatgccaaag caaaattcca ctcttgttgg tgataaaaga tcagacccag agcagaatga aaagctaaag acaccgagta ctcctgtggc ttgcagcact cctgctcagt tgaagaggaa aattcgcaaa aagtcaaact ggtacttagg caccataaaa aagcgaagga agatttcaca ggcaaaggat gatagccaga atgccataga tcacaaaatt gagagtgata cagaggaaac tcaagacaca agtgtagatc ataatgagac cggaaacaca ggagagtctt cggtggaaga aaatgaaaaa cagcaaaatg cctctgaaag caaactggaa ttgagaaata attcaaatac ttgtaatata gagaatgagc ttgaagactc taggaagact acagcatgta cagaattgag agacaagatt gcttgtaatg gagatgcttc tagctctcag ataatacata tttctgatga aaatgaagga aaagaaatgt gtgttctgcg aatgactcga gctagacgtt cccaggtaga acagcagcag ctcatcactg ttgaaaaggc tttggcaatt ctttctcagc ctacaccctc acttgttgtg gatcatgagc gattaaaaaa tcttttgaag actgttgtta aaaaaagtca aaactacaac atatttcagt tggaaaattt gtatgcagta atcagccaat gtatttatcg gcatcgcaag gaccatgata aaacatcact tattcagaaa atggagcaag aggtagaaaa cttcagttgt tccagatga
Molecular Weight	47,986 Da
OMIM	611941
Vector	pENTR223.1
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ATAD2 cdna clone	MBS1278751 is a cDNA clone targeting ATAD2.
Other Notes	Small volumes of ATAD2 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATAD2. It may not necessarily be applicable to this product.

NCBI GI #	18043697
NCBI GeneID	29028
NCBI Accession #	BC019909
UniProt Secondary Accession #	Q14CR1; Q658P2; Q68CQ0; Q6PJV6; Q8N890; Q9UHS5
UniProt Related Accession #	Q6PL18
NCBI Official Full Name	Homo sapiens ATPase family, AAA domain containing 2, mRNA
NCBI Official Synonym Full Names	ATPase family, AAA domain containing 2
NCBI Official Symbol	ATAD2
NCBI Official Synonym Symbols	ANCCA; CT137; PRO2000
UniProt Protein Name	ATPase family AAA domain-containing protein 2

UniProt Synonym Protein Names	AAA nuclear coregulator cancer-associated protein; ANCCA
Protein Family	ATPase family AAA domain-containing protein
UniProt Gene Name	ATAD2
UniProt Synonym Gene Names	ANCCA
UniProt Entry Name	ATAD2_HUMAN
NCBI Protein Information	ATPase family AAA domain-containing protein 2
NCBI Summary for ATAD2	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]
UniProt Comments for ATAD2	ATAD2: a member of the AAA ATPase family. Contains a bromodomain, a domain known to interact specifically with acetylated lysine. Two alternatively spliced isoforms of the human protein have been reported. Protein type: EC 3.6.1.3; Cancer Testis Antigen (CTA); Hydrolase Chromosomal Location of Human Ortholog: 8q24.13 Cellular Component: nucleoplasm; nucleus Molecular Function: ATPase activity; chromatin binding; histone binding Biological Process: negative regulation of chromatin silencing; positive regulation of transcription from RNA polymerase II promoter; positive regulation of transcription, DNA-dependent
Research Articles on ATAD2	**1.** Data indicate that gene expression alterations in endometrial carcinoma samples with high ATPase family, AAA domain containing 2 protein (ATAD2) expression showed upregulation of several cancer-related genes including B-MYB gene.
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