

Product datasheet for **SC122458**

ATPAF2 (BC032126) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATPAF2 (BC032126) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATPAF2
Synonyms:	ATP12; ATP12p; ATP synthase mitochondrial F1 complex assembly factor 2; LP3663; MGC29736
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC032126 edited

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GAGGTTTCCGTACAGCCCGACCGTGC GGCTTTGGGGATCCCATCGCTCTGTGTTTCCTGC
TCCAGGTTTTCGCGTCTCGCATCTCCCAGACCCCTCGGGCGCGATGTGGAGGAGCTGCCTC
CGGCTGCGGGACGGGGACGCCGTCTCCTGAATCGGCCGGGGTGGCCCCAGCGCTTCT
ATGAGTCCGGGGCAACCATCCCGTCTCCAGCCCGGGCTTACGCCCCGCCAGAGAAAGG
AAGAGGTTTTATCAGAATGTGAGCATCACACAGGGTGAAGGTGGCTTTGAGATAAACCTG
GACCACAGGAAGCTGAAAAC TCCCAAGCCAAGCTCTTTACCGTCCCGAGCGAGGCCCTG
GCCATTGCACTGGCTACTGAGTGGGATTCCCAGCAGGATACCATCAAGTACTACACCATG
CACCTGACCACATTGTGCAACACATCATTGGACAACCAACCCAGAGAAACAAGGATCAG
CTGATCCGGGCAGCCGTGAAGTTTCTGGACACCGACACCATCTGCTACAGGGTGGAGGAG
CCCAGACATTAGTGGAACTTCAAAGGAATGAGTGGGATCCAATCATCGAATGGGCTGAG
AAAAGATACGGCGTGGAGATCAGTTCCTCCACCAGCATAATGGGACCCAGCATCCCTGCC
AAAAC TCGGGAGGTGCTCGTCAGCCACCTGGCATCTTACAACACATGGGCTTTACAAGGG
ATTGAGTTTGTAGCTGCCAGCTCAAGTCCATGGTGTAACTTTGGGCTGATTGACCTG
CGCCTGACAGTGGAGCAGGCCGTGCTGCTCACGCCTGGAGGAGGAGTACCAGATCCAG
AAGTGGGGCAACATTGAGTGGGCCATGACTATGAGCTGCAGGAGCTGCGGGCCCCGACC
GCCGCGGCACCCCTTTCATCCATCTCTGCTCCGAGAGCACACAGTCAAGCACAAAGCTC
CTGAAGGAGTGAAGCCTGGGCAGAGCACACTCAGCAGGATAGAGGCAGTGCAGCCACAGC
TCCCCGGCCTCAGGGCTCCCCAGCCTGTGGGGCTGGCTTCCTGGCTTTTGGGACTC
GGCCTCAGCGTCACCCCTGAGATTCACCCCGAGACACAGTGCCTAGTACGGCTGTCCGGA
GGTCAGCCTGATTTCAACCCAGGTGCCCTGGCCAGCAGTGAATGTAGGAGATGA
ATTGTGCAAGTGACTTTCTCGACTCTGATTTTATTAATATTTCTCCACCCTGGAAAA
AAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC032126 unedited NTTTTATTATAATTGTATACGACTCACCATAGGCGGCACGCGAATTCGCACGAGGGAGG TTTCCGTACAGCCCAGCCGTGCGGCTTTGGGGATCCCATCGCTCTGTGTTTCCTGCTCCA GGTTTCGCGTCTCGCATTTCCAGACCCTCGGGCGCGATGTGGAGGAGCTGCCTCCGGC TGCGGGACGGGGACGCCGTCTCCTGAATCGGCCGGCGGGTGGCCCCAGCGCTTCTATGA GTCCGGGGCCAACCATCCCGTCTCCAGCCCGGGCTTACGCCCCGCCGACAGAAAGGAAGA GGTTTTATCAGAATGTCAGCATCACACAGGGTGAAGGTGGCTTTGAGATAAACCTGGACC ACAGGAAGCTGAAAACCTCCCAAGCCAAGCTCTTTACCGTCCCCAGCGAGGCCCTGGCCA TTGCAGTGGCTACTGAGTGGGATTCCCAGCAGGATACCATCAAGTACTACACCATGCACC TGACCACATTGTGCAACACATCATTGGACAACCAACCCAGAGAAAACAAGGATCAGCTGA TCCGGGCAGCCGTGAAGTTTCTGGACACCGACACCATCTGCTACAGGTGGAGGAGCCCG AGACATTAGTGGAACTTCAAAGGAATGAGTGGGATCCAATCATCGAATGGGCTGAGAAAA GATACGGCGTGGAGATCAGTTCCCTCCACCAGCATAATGGGACCCAGCATCCCTGCCAAAA CTCGGGAGGTGCTCGTCAGCCACCTGGCATTTACAACACATGGGCTTTACAAGGGATTG AGTTTGTAGCTGCCAGCTCAAGTCCATGGTGCTAACCTTGGGCCTGATTGACCTGCGCC TGACAGTGGAGCAGGCCGTGCTGCTGTCACGCCTGGAGGGAGAT
Restriction Sites:	Please inquire
ACCN:	BC032126
Insert Size:	1290 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:	<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:	<u>BC032126.2</u> , <u>AAH32126.1</u>
RefSeq Size:	1281 bp
Locus ID:	91647
Cytogenetics:	17p11.2

Gene Summary:

This gene encodes an assembly factor for the F(1) component of the mitochondrial ATP synthase. This protein binds specifically to the F1 alpha subunit and is thought to prevent this subunit from forming nonproductive homooligomers during enzyme assembly. This gene is located within the Smith-Magenis syndrome region on chromosome 17. An alternatively spliced transcript variant has been described, but its biological validity has not been determined. [provided by RefSeq, Jul 2008]