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Product datasheet for SC120999

ATPAF1 (NM_022745) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATPAF1 (NM_022745) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATPAF1
Synonyms:	ATP11; ATP11p
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022745, the custom clone sequence may differ by one or more nucleotides

ATGGAGCGGGCGCGCGGGCCGCGGGCCGAGGCCGACGCGCCTGAGGAGGAGGAGGAGGCGGGGGCGGCCA
TGGCTGCTGTGGTGGTGGCGGCTGCGGGTGGCGCGGGACCGGCGGTCCTGCAGGTGGCCGGTCTCTACCG
GGGCCTGTGCGCGGTGCGCAGCCGCGCCCTGGGCCTGGGGCTCGTGTCACCCGCGCAGCTGCGCGTCTTC
CCAGTGCGCCCCGGCTCGGGCCGGCCCGAGGGGGGCGCCGACAGCAGCGGGGTCGGGGCCGAGGCCGAGC
TCCAGGCCAACCCTTTCTACGACCGCTACCGCGACAAGATCCAGCTGCTGCGCAGGTCAGACCCAGCTGC
TTTTGAGTCCCGCCTGGAGAAACGCAGTGAATTTCGGAAGCAGCCAGTGGGGCATTCCAGGCAAGGTGAT
TTTATCAAATGTGTGGAACAGAAGACAGATGCCTTGGGGAAACAGTCTGTGAACAGAGGATTCACTAAGG
ACAAGACTCTCAGTTCAATCTTTAACATTGAGATGGTAAAAGAAAAAACTGCAGAAGAAATAAAACAGAT
TTGGCAGCAATATTTTGCAGCAAAAGATACAGTCTACGCAGTTATTCCTGCAGAAAAGTTTGATTTGATC
TGGAACCGGGCTCAGTCCTGTCCAACATTTCTATGTGCTCTGCCAAGAAGGGAAGGTTATGAGTTTTTTG
TAGGACAATGGACAGGTACTGAACTCCACTTCACTGCACTTATAAATATTCAGACCCGAGGGGAAGCTGC
AGCCAGCCAGCTGATTTTATATCACTATCCTGAACTTAAGGAAGAAAAGGGCATAGTGCTGATGACTGCA
GAAATGGATTCCACATTTCTGAATGTTGCTGAGGCACAGTGCATCGCCAACCAAGTTCAGCTCTTCTACG
CTACTGATCGGAAAGAGACCTACGGGTTAGTGGAGACCTTTAACCTCAGACCAAATGAGTTCAAATATAT
GTCTGTCATCGCTGAATTGGAGCAAAGCGGACTTGGAGCAGAACTGAAATGTGCCCAGAACCAAAATAAG
ACTTAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022745 unedited
CCCGTTCGGATTTGTATACGACTCATATGGGCGGCCGCTGAATCGGCACCAGGCCATGGC
TGCTGTGGTGGTGGCGGCTGCGGGTGGCGCGGGACCGGCGGTCCTGCAGGTGGCCGGTCT
CTACCGGGGCCTGTGCGCGGTGCGCAGCCGCGCCCTGGGCCTGGGGCTCGTGTCACCCGC
GCAGCTGCGCGTCTTCCCAGTGCGCCCCGGCTCGGGCCGGCCCGAGGGGGGCGCCGACAG
CAGCGGGGTCGGGGCCGAGGCCGAGCTCCAGGCCAACCCTTTCTACGACCGCTACCGCGA
CAAGATCCAGCTGCTGCGCAGGTCAGACCCAGCTGCTTTTGAGTCCCGCCTGGAGAAACG
CAGTGAATTTCGGAAGCAGCCAGTGGGGCATTCCAGGCAAGGTGATTTTATCAAATGTGT
GGAACAGAAGACAGATGCCTTGGGGAAACAGTCTGTGAACAGAGGATTCACTAAGGACAA
GACTCTCAGTTCAATCTTTAACATTGAGATGGTAAAAGAAAAAACTGTAGAAGAAATAAA
ACAGATTTGGCAGCAATATTTTGCAGCAAAAGATACAGTCTACGCAGTTATTCCTGCAGA
AAAGTTTGATTTGATCTGGAACCGGGCTCAGTCCTGTCCAACATTTCTATGTGCTCTGCC
AAGAAGGGAAGGTTATGAGTTTTTTGTAGGACAATGGACAGGTACTGAACTCCACTTCAC
TGCACTTATAAATATTCAGACCCGAGGGGAAGCTGCAGTCGCCAGCTGATNTATATCCTA
TCCTAACTTAGGAAGAAAGGCATCTGCTGATGACTGCACAATGGATCCACATTTCTGATG
TGCTGAGGCACGTGCATCGCCACACGTCAGCTCTCTACGCTACTGACGGAAGAACTTACG
GGTAGTGAGACT

Restriction Sites: NotI-NotI

ACCN: NM_022745

Insert Size: 5000 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_022745.2, NP_073582.1

RefSeq Size: 1849 bp

RefSeq ORF: 987 bp

Locus ID: 64756

UniProt ID: Q5TC12

Cytogenetics: 1p33

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 beta subunit and is thought to prevent this subunit from forming nonproductive homooligomers during enzyme assembly. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Aug 2011]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).