

Product datasheet for **SC319892**

ATPAF2 (NM_145691) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: ATPAF2

Synonyms: ATP12; ATP12p; LP3663; MC5DN1

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC (PS100020)

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_145691.3 GCGGAAGATGGCGGCGTCCAAGGGAGGTTGAGGGCTCTGAGGAGGCGTTGAGAGGTTTCC
GTACAGCCCGACCGTGCGGCTTTGGGGATCCCATCGCTCTGTGTTTCTGCTCCAGGTTT
CGCGTCTCGCATCTTCCAGACCCTCGGGCGCGATGTGGAGGAGCTGCCTCCGGCTGCGG
GACGGGGGACGCCGTCTCTGAATCGCCGGCGGGTGGCCCCAGCGCTTCTATGAGTCCG
GGGCCAACCATCCCGTCTCCAGCCCGGGCTTACGCCCCGCCGACAGAAAGGAAGGTTT
TATCAGAATGTCAGCATCACACAGGTGAAGGTGGCTTTGAGATAAACCTGGACCACAGG
AAGCTGAAAACCTCCCAAGCCAAGCTCTTACCGTCCCAGCGAGGCCCTGGCCATTGCA
GTGGCTACTGAGTGGGATTCCAGCAGGATACCATCAAGTACTACACCATGCACCTGACC
ACATTGTGCAACATCATTGGACAACCAACCCAGAGAAACAAGGATCAGTGATCCGG
GCAGCCGTGAAGTTTCTGGACACCGACACCATCTGCTACAGGTGGAGGAGCCCGAGACA
TTAGTGGAACCTCAAAGGAATGAGTGGGATCCAATCATCGAATGGGCTGAGAAAAGATAC
GGCGTGAGATCAGCTCCTCCACCAGCATAATGGGACCCAGCATCCCTGCCAAAACCTCGG
GAGGTGCTCGTCAGCCACCTGGCATCTTACAACACATGGGCTTTACAAGGGATTGAGTTT
GTAGTGCCAGCTCAAGTCCATGGTGCTAACCTTGGGCTGATTGACCTGCGCCTGACA
GTGGAGCAGGCCGTGCTGCTGTACGCCTGGAGGAGGAGTACCAGATCCAGAAGTGGGGC
AACATTGAGTGGGCCCATGACTATGAGTGCAGGAGCTGCGGGCCCGCACCCGCCCGGC
ACCCTCTTCATCCATCTCTGCTCCGAGAGCACCACAGTCAAGCACAAGCTCCTGAAGGAG
TGAGGCCTGGGAGAGCAGTCAAGGAGTCAAGGAGTCAAGGAGTCAAGGAGTCAAGGAG
CTTCAGGGCTCCCGAGCCTGTGGGGCTGGCTTCTTGGCTTTTGGGACTCGGCCTCAGC
GTCACCCTGAGATTCCCCCGAGACACAGTGCCTAGTACGGCTGTCCGAGGTGAGCCT
GATTTCAACCCAGGTGCCCTGGCCTGGCCAGCAGTGAATGTAGGAGATGAATTGTGCAA
GTGACTTTCTCTGACTCTGATTTTATTAAATATTTCTCCACCCTGGAAAAAAAAAAAA
AAAAAA

Restriction Sites: Please inquire

ACCN: NM_145691



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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_145691.3</u> , <u>NP_663729.1</u>
RefSeq Size:	1552 bp
RefSeq ORF:	870 bp
Locus ID:	91647
UniProt ID:	<u>Q8N5M1</u>
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]