

Product datasheet for **SC212684**

ATPSCKMT (NM_199133) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATPSCKMT (NM_199133) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATPSCKMT
Synonyms:	FAM173B; hFAM173B; JS-2
ACCN:	NM_199133
Insert Size:	1964 bp



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Insert Sequence:

>SC212684 3'UTR clone of NM_199133

The sequence shown below is from the reference sequence of NM_199133. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCATAAACGCGATCGCC
ATGCATTTCCAGCTGCCATTCAAGCATAAACTTGACTGGGAGTGTCTTTCTGAAATATTGTAGTCTTC
CCTGATCTTGTAGAGACTTACAGCTGTGCCTTAGCAAAGGAGCATAATTGTCTTTGGTTTGAATGAG
AAATTACTATTACTTTCCCTTAACTGTTGGAGAAAAACAAACGAAGAAAAACAGGTAGATTTAAATCTGC
TTTTGATGCTATTTTCTTAAAAATTGACTTACTGCCTTTCCATGCACCTGGATGCATGAAAAGATGAA
TAAGTGATGGTCATGGTTATGGTAGGAAAAAAGATGCCAATAGCTCTTCACATTATAACAATATGG
CTTAATGCCTCGATAAGGAGAAATGATTTTTAAAGACAGTATATATTACCAACTGTTTGTAGTATCCTA
TAACTTTGTTCATACTTAAAGTTGTATCTCTTTCTTTTGTACTTCATGGCAAAATTAATTTCTAAAG
GATTCAGAGAGGGGTTTATATTTTATAACATTTATTAGAATAATTTGTTCCACCACTAGATTACTGTA
TTTTATGGAATCTAAGCTGTATATGTGTACATTTGTATACATGTATGTGTAATGTAAGCCTGACGTGG
GTTTCAGATTCCAGTTTTGTCATCAGCAAGAGGCCCTCGGACCCATGACTTACTGCCTCTGAGCCTTGCT
TTCTGTGTATCTCTGCCACTGGGATAATGGTACACATAACAGTGGAGTGGGGACCAATTTCTAAACTC
ATGGCACCTAGTCTTTGGTCCATAAATGGTGTGTTGTTATTTTAGACACTGAGAAAAATCTTATTCACAG
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AAGCTTCATATATCTGTAAGTGAATATTGAATGGTAGCTTGAGTCATTTCGACTTATCACAGAAAAAGA
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ATGGTCACATCTTTAACTAAACTTATAAAAAATTGGTCAGTTTGATCATTTTCAATTTAAATGAGAAACAT
CTGGGGACACATTCATTCAACAAATATGTATTCAGTATCTACTGTAGAAGAAGCTCTGAGATTCT
GCGGTAATAGACATGCAAAGCCCTGGCCTCATGGAATTCCTATTCTGGAAAGGAGAGACAAACAAT
AAGCAAGGGAATCTTAGTGTGTGGAGTTCTCTGAAGTAAACAGTGTGATGGTGTAGAGAGCACCTGT
GTGAGTCTGAGATGAGGGGATGTGATGTTGTGGACTTCAGCCAGGTTTTTGGCAGCTAGTGTCTGTCCC
TTTTTCAGTAGCTCCAGTCTTCTTATGAAGAATGAGTTCTTTCTGTGGTGTGACTTTAGTGGGAGGG
CAGCTCTTGCTCTATGCCTCTCAGTTGCCTTCCACTGTAACCAGTCTGTAACCTGGTCTGGGCACACTC
GGAGGGGATCCATGGTAGCTCCTTGCCATGAAGATGTGGGTAGAGGAGGTTCTGTGGGCCTCGGAG
GTGTTCAACATTTCTAGAAGTGTCTGGTGGGTTTATAGAGGCATTGATATGGTTTGGCTGTGTCCC
TACCCAAATCTCATCTTGAATCCCACGTGTTGTGGGAAGGACCTGGTGGGAGGTGATTGAATTATGGG
GGCAGGCTTTTCTGTGCTGTTCTCATGATAGTGAGTAAGTTTAAATGAGATCTGATGTTTATTTAGGG
GGGAGTTTTCTGCACAAGCTCTTTTGGCTACTACCATTACGTAAGATATTCCAGCCACATGAAACT
GTAAGTCCAATTAAGCTCTTTCTTTTGTAAA
ACGCGTAAAGCGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

Sgfl-Mlul

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_199133.4](#)

Summary: Mitochondrial protein-lysine N-methyltransferase that trimethylates ATP synthase subunit C, ATP5MC1 and ATP5MC2. Trimethylation is required for proper incorporation of the C subunit into the ATP synthase complex and mitochondrial respiration (PubMed:29444090, PubMed:30530489). Promotes chronic pain (PubMed:29444090). Involved in persistent inflammatory and neuropathic pain: methyltransferase activity in the mitochondria of sensory neurons promotes chronic pain via a pathway that depends on the production of reactive oxygen species (ROS) and on the engagement of spinal cord microglia (PubMed:29444090).[UniProtKB/Swiss-Prot Function]

Locus ID: 134145

MW: 74.4