

Product datasheet for SC126881

ATP10D (NM_020453) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP10D (NM_020453) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP10D
Synonyms:	ATPVD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126881 sequence for NM_020453 edited (data generated by NextGen Sequencing)

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ATGACTGAGGCTCTCCAATGGGCCAGATATCACTGGCGACGGCTGATCAGAGGTGCAACC
AGGGATGATGATTCAGGGCCATACAACCTTCCTCGTTGCTCGCCTGTGGGCGCAAGTCC
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TCCAAAGGTAAAGAAAGCTAG

Clone variation with respect to NM_020453.3
2159 a=>g;2307 c=>a;3921 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020453 unedited
 TTCAGATTTTGTAAACGACTTCACTATAGGGCGGCCGCAATTCGCACGAGGAGGAGCG
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 GGGACTTATTCGNTCTNCTGCACGAGGTATCCCTGCAGACATGGACTACTCTTTCCCT
 GATCCAGATGGATCTGTACATGAGACTTCTGGCTTGATGGAGAGAGCATTAAACAAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020453 unedited
 TACACTATGNACCGGCCCAATCTAGNGATCAGTTTTTTTTTTTTTTTTTTATGAAACA
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 TTTTGAAGTTCTCGAAATCAGCTTATGTAAGAGACTATTTCCAATAATAACAGAAGGCT
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 GTCATTAAGAAGACCTTGATGTAGACATTGCATATGAGCATGGAGATTGAGGAAGGAAAT
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 TTGTTACAACCTAAAGCCAGCATAACATGATTCGCAATAGGAGTAACTTGCATAGACATT
 CCTGTCCTCAAAATGATTTTAAAACCAAATTTTTCTAAGAACCTCATAGAAACCTCCAGAG
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 TCTCAGGGTATTGTA AAAACTATGAACCTTCAAGTGGTCTCTGGAAGATTGTTTTGAAAT
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 GCCACAGGCTGAGCTGATGTCTGCCTGACCTATGGCTTCAAGTTTCTTAACGACAACATC
 TATACAGAAGCAGATCTCATAAAGTCTTCTCTTGATTGGACCCTGACGAGGATGCATTC
 CTGGTNCCTGATGAAAACCTANNATCCTCTTCCCTTTCAATGAAGCNTCC

Restriction Sites:

NotI-NotI

ACCN:

NM_020453

Insert Size:

6000 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_020453.2](#), [NP_065186.2](#)

RefSeq Size: 6550 bp

RefSeq ORF: 4281 bp

Locus ID: 57205

UniProt ID: [Q9P241](#)

Cytogenetics: 4p12

Protein Families: Transmembrane

Gene Summary: Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of phospholipids. Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules (Probable).[UniProtKB/Swiss-Prot Function]