

Product datasheet for **SC126158**

ATP6V1E2 (NM_080653) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP6V1E2 (NM_080653) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP6V1E2
Synonyms:	ATP6E1; ATP6EL2; ATP6V1EL2; VMA4
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF:

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>OriGene sequence for NM_080653 edited
GGAGAGGAGGGTCACCAACTCCAGGCAGGGCTGCTAAGTTTATTACAAACAGGCAAGACT
AGAATATGTTTCCACTTTAGTGAGTGGAACCTAATCATTATAGGTATCCTGTACACAC
AGAACAATATGATGAAGAGTGAGGCCTAAATCAGAGGAGACGAGGACAATAATAGTAGT
AGTGGTCATGATGATAATAAATACTACCAGACATGAAGATTAACCATGCCTAACATTGTG
TTAAACGTCCTCACTTCTTTCATTTAATCCTTACAATAATCCAATGATGTAGCTGCTATTA
TTTTTATTATACAGATGAAGAACTGAGGGCTTGAGGGGTATACTGCTTTGTCAAAGTCG
TACAAATGGTAAGTGCAGAACCCAGGATCTGAATTCGTCAGTCTGACTGCAGAGCCACG
CCGACACCGTGGAAAGCTGGTGATGCCATTAGGCCCTGTCTGGGCATGAAGAGGATGCC
TCCCTCATGAGCTGGAACACAGCATCCCCTGTTGTGGGTGTGGCTCTCTTAAAGACCATC
TGGTGAATTTTGTCTGTGCTGGTTTCTTATTAACAACCTTCAGATTTGGCTTCACGTGC
AACTCACATAGAGGAAAGGAGACCATGATCCGCCAACATGACAGCTGTATTTTTTACATTA
GTAATTAGCAAACCTGGCTGCCTGGGTCACCATGCATACCTGTTAAGGTGAGCCCGCCC
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CCTTCCCCAGTGACAGCCTGGCTCTTTGGATTCAAGCTGCCTGGTCAGACTGCAAGGGTC
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CCTCATCTCAGATTTGCTCAGTGAGGCGAAGCTGAGACTCAGCAGGATTGTGGAGACCC
AGAGGTCTACCAGGGGCTGCTGGATAAACTGGTCTCCAGGGTCTGCTCCGACTGCTGGA
ACCTGTGATGATTGTACGCTGCCGGCCACAAGACCTCCTCCTGGTGGAGGCTGCTGTACA
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AGAGGCATACCTGGCTGTGAATGCAGCTGGAGGTGTGGAGGTCTACAGTGGCAATCAGAG
AATAAAGGTTTCAAATACCTTGGAAAGCCGACTGGATCTCTCAGCCAAGCAAAAGATGCC
AGAAATACGAATGGCCTTGTGGTGCTAACACCAACAGAAAGTTCTTTATATAAGCCTC
TGGGAAGCGAAGCTAGTGTGAACCACTAAACCAAAAAGTTTAAAGTTTTTGGGAAAG
GAAACTAGTAGTGTTCCTCCTCTTTGATGCTCTGATACTGTTCTGTTTTTCTTACGAA
ATACCTTTGGATAGCTAAAGTGTTAACTTTGAAATAAAGCCCAAATTAATGCTCAGAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080653 unedited ACAGGATTTGTATACGACTTATATAGGCGGCCGACGATTAGATCTGGTACCGGTCCGGA ATTCCCGGATATCGTCGACCCACGCGTCCGTGCCAACTTAAGTACTGAGATTCTGAGTGTGC AAGGATAACCCCGTCATGGCCCCGGGTGCCAAGGAAATCCCTTTTAGCCTCCTTTGGC AGACTTGGCCAGCCTTCCCCAGTGACAGCCTGGCTCTTTGGATTCAAGCTGCCTGGTCAG ACTGCAAGGGTCATCTGTACAAAGAAGGAAGCAACAGTGCCAGGTTCCAGCGTGCCTTCC AAGTTCCACATTCTGTGTGACAGACTCCCAACGCCAGAGCAAAGGCAGGCCCTGGCAGGG GACTGCTGAGAAAGTGGAACTCCAGAGACTCCTGAAATTGTCTAAGTCAAAGGAGCC AAACGGGTACGAGCTCCCTCTCTGCCGTCCCCTCTGAGAGCAGCCATGGCCCTGAGTGA TGTCTGATGTAAAAAGCAGATTAAGCACATGATGGCTTTCATTGAGCAGGAAGCCAATGA GAAAGCAGAGGAAATCGATGCCAAGGCTGAGGAAGAGTTTAACTTGAAGAAAGGACGCT CGTGCANACCCAACGACTGAAGATTATGGAGTATTATGAGAAAAAGGAGAAGCAGATAGA GCAGCAGAAGAAAATCCTGATGTCCACCATGAGGAATCAGGCGAGGCTGAAAGTCTGAG AGCCCCAATGACCTCATCTCAGATTTGCTCAGTGAGGCGAAGCTGAGACTCAGCAGGATG GTGGAGGACCAAGAGGTCTACCCAGGGCTCCTGGATAACTGGTGCTTCAGGGTCTGCTC CGACTGCTGGAACCTGTGATGATTGTACGCTGCCCGCCACAAGAACCTCCTCTGGTGG AAGGCTGCTGTTACAAAAGCCATCCCGGATTACTGACAATTTCCCAAAAAGTGGG
Restriction Sites:	Please inquire
ACCN:	NM_080653
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:	NM_080653.3 , NP_542384.1
RefSeq Size:	2025 bp
RefSeq ORF:	681 bp
Locus ID:	90423
Cytogenetics:	2p16-p12
Protein Pathways:	Epithelial cell signaling in Helicobacter pylori infection, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

Gene Summary:

Subunit of the peripheral V1 complex of vacuolar ATPase essential for assembly or catalytic function. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells. This isoform is essential for energy coupling involved in acidification of acrosome (By similarity).[UniProtKB/Swiss-Prot Function]