

## Product datasheet for **SC324389**

### ATP6V0B (NM\_001039457) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ATP6V0B (NM\_001039457) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ATP6V0B  
**Synonyms:** ATP6F; HATPL; VMA16  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001039457.1  
 GTGGACGCTGGGACGCGTTTGTAGCTCCGGCCCCGCCGTTCCGACCCCCGCCGTCGC  
 CGCCATGACGGGGCTAGCACTGCTCTACTCCGGGTCTTCGTGGCCTTCTGGCCTGCGC  
 GCTGGCCGTGGGAGTCTGCTACACCATTTTTGATTTGGGCTTCCGCTTGTATGTGCATG  
 GTTCTGACGGAGACTTCGCCCTTCATGTGGTCCAACCTGGGCATTGGCCTAGCTATCTC  
 CCTGTCTGTGGTGGGACGCTGGGCATCTATATTACGGCTCCTCCATCATTGGTGG  
 AGGAGTGAAGGCCCCAGGATCAAGACCAAGAACCTGGTCAGCATCATCTTCTGTGAGGC  
 TGTGGCCATCTACGGCATCATATGGCAATTGTCATTAGCAACATGGCTGAGCCTTTCAG  
 TGCCACAGACCCCAAGGCCATCGGCCATCGGAACCTACCATGCAGGCTACTCCATGTTTGG  
 GGCTGGCCTCACCGTAGGCTGTCTAACCTCTTCTGTGGAGTCTGCGTGGGCATCGTGGG  
 CAGTGGGGCTGCCCTGGCCGATGCTCAGAACCCAGCCTCTTTGTAAGATTCTCATCGT  
 GGAGATCTTTGGCAGCGCCATTGGCCTCTTTGGGGTCATCGTCGCAATTCTCAGACCTC  
 CAGAGTGAAGATGGGTGACTAGATGATATGTGTGGTGGGGCCGTGCCTCACTTTATTT  
 ATTGCTGGTTTTCTGGGACAGCTGGAGCTGTGTCCTTAGCCTTTCAGAGGCTTGGTGT  
 TCAGGGCCCTCCCTGCACTCCCCCTTGTCTGCGTGTGATTTGGAGGCACTGCAGTCCAG  
 GCCGAGTCTCAGTGGGGGAGCAGGCTGCTGCTGCTGACTCTGTGCAGCTGCGCACCTG  
 TGTCCCCACCTCCACCCTCAACCCATCTTCTAGTGTGTGAAATAAACTTGGTATTT  
 GTCTGGGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001039457  
**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).



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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001039457.1</a> , <a href="#">NP_001034546.1</a>
<b>RefSeq Size:</b>	979 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	533
<b>UniProt ID:</b>	<a href="#">Q99437</a>
<b>Cytogenetics:</b>	1p34.1
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection
<b>Gene Summary:</b>	<p>This gene encodes a portion of the V0 domain of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. Activity of this enzyme is necessary for such varied processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame in the 5' coding region and uses a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.</p>