

## Product datasheet for **SC334898**

### ATP6V0B (NM\_001294333) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ATP6V0B (NM_001294333) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP6V0B
Synonyms:	ATP6F; HATPL; VMA16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001294333, the custom clone sequence may differ by one or more nucleotides

ATGACGGGGCTAGCACTGCTCTACTCCGGGGTCTTCGTGGCCTTCTGGGCCTGCGCGCTGGCCGTGGGAG  
 TCTGCTACACCATTTTTGATTTGGGCTTCGCTTTGATGTGGCATGGTTCTGACGGAGACTTCGCCCTT  
 CATGTGGTCCAACCTGGGCATTGGCCTAGCTATCTCCCTGTCTGTGGTTGGGGCAGCCTGGGGCATCTAT  
 ATTACCGGCTCCTCCATCATTGGTGGAGGAGTGAAGGCCCCCAGGATCAAGACCAAGAACCTGGTCAGCA  
 TCATCTTCTGTGAGGCTGTGGCCATCTACGGCATCATCATGGCAATTGTCATTAGCAACATGGCTGAGCC  
 TTTCAGTGCCACAGACCCCAAGGCCATCGGCCATCGGAACCTACCATGCAGGCTACTCCATGTTTGGGGCT  
 GGCTCACCCTAGGCCTGTCTAACCTCTTCTGTGGAGTCTGCGTGGGCATCGTGGGCAGTGGGGCTGCC  
 TGCCCGATGCTCAGAACCCAGCCTCTTTGTAAGATTCTCATCGTGGAGATCTTTGGCAGCGCCATTGG  
 CCTCTTTGGGGTCATCGTCGAATTCTTCAGGTGATGAATCCCCTTGGGAAGCCTCTGTGTCCTTGTCCC  
 CAACCTAGCCTTACCCTCCTTCTGGAGAAGCTGAAGTGCTCTCCTTCTCTACCTATAACTATAGATTCCC  
 CCAAACAGCTTCCACCTCCTCATTTCCATCTTCTGGTTTTCTCTACAGGGGCTCTCTATTTTGTCTCT  
 GATTTGGTGTCACTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001294333
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>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>	<u>NM_001294333.1, NP_001281262.1</u>
<b>RefSeq Size:</b>	2068 bp
<b>RefSeq ORF:</b>	786 bp
<b>Locus ID:</b>	533
<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 (3) contains an alternate segment in the 3' region, which results in a frameshift, compared to variant 1. The encoded isoform (3) has a longer and distinct C-terminus, compared to variant 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>