

Product datasheet for **MC200877**

Atp6v0d1 (NM_013477) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp6v0d1 (NM_013477) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atp6v0d1
Synonyms: Ac39; AI267038; Atp6d; P39; VATX; Vma6
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC011075 sequence for NM_013477
 GCCCACCCCGCCGAGCCATGTCGTTCTCCCGAGCTCTATTTCAACGTGGACAATGGCTACTTGGAG
 GGATTAGTGC CGCGCCTGAAGCGGGGTGCTCAGCCAGCGGACTACCTCAACCTGGTGCAGTGCAGAG
 CGCTCGAGGACTTGAAGCTGTACCTGCAGAGTACAGATTATGGCAACTTCTGGCCAATGAAGCGTCACC
 TCTGACGGTGTACGTATCGATGACAAGCTCAAGGAGAAGATGGTAGTAGAGTTCGCCACATGAGAAAC
 CATGCTTATGAGCCGCTCGCCAGCTTCTGGACTTCATAACTTATAGCTACATGATTGACAACTGATCC
 TGCTAATCACAGGCACACTGCACCAGCGTTCAATAGCTGAACCTGTGCCAAGTGCCATCCGCTAGGCAG
 CTTTGAGCAGATGGAGGCTGTGAACATCGCACAGACACCTGCAGAGCTCTACAATGCCATTCTGGTGGAC
 ACACCCCTGGCGGCTTTTTCCAGGACTGCATCTCAGAGCAGGACCTTGATGAGATGAACATCGAGATAA
 TCCGAAATACGCTTTACAAGGCCTACTTGGAGTCTTCTACAAGTCTGTACTCTGTTGGGTGGGACCAC
 AGCTGATGCCATGTGTCCTATCCTAGAGTTGAAGCAGACCGCCGCGCTTTCATCATCACCATCAACTCT
 TTCGGCACAGAGCTGTCCAAGGAGGACCTGCCAAGCTCTCCCGCACTGTGGCCGCTCTACCCTGAGG
 GCTTGGCTCAGCTGGCGGGGCTGATGACTATGAACAGGTCAAGAATGTAGCTGATTACTACCCGGAATA
 CAAACTGCTTTTTGAGGGTGCAGGTAGCAATCCTGGAGACAAGACCCTGGAGGACCGGTTTTTGAACAT
 GAGGTGAAGCTAAACAAGCTGGCCTTCTGAACCAGTTCCATTTTGGTGTCTTTATGCCTTTGTGAAGC
 TTAAGGAACAGGAATGTCGCAACATCGTATGGATTGCTGAGTGCATTGCCAGCGCCATCGCGCCAAGAT
 CGACAACATACATCCCATCTTTAGCATTCTAACTTAAGGTTCCCAAGTGCAGTGTGTGTGTCTGTGT
 GCTGTGGTGAAGCCAGGGCTCACTTGTCTGACCTGGTGGTGTAGCATTGTCTGGGATTGTTTGCCC
 AGCTTCCATGACCCCTTCTGGGACTACTTAAAGCCTAAAAAGGGTTAGGCACCTCTCCCTGATCAAG
 AATGGACCAAGATCCCTCCAGAGCAGAGGCCCCAGCCCTATGTTTACAGCCACTGACATGTCTAAG
 AAAGTGTATGACTTTTATGTCCCTCCTTAGCCTAAGGACCCCTGGGACAGTGTCCATAGGTCATCCCCA
 GAACCTGTGGGAAGAGTAGAGAATATGTATTCTTGGGGTATTGGGAAAGCAGCTTTGTAGCCTTCTCCCT
 CCGCTCTGCCCTCTGAGACAATAAAATTGCCCTTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_013477



[View online >](#)

Insert Size:	1056 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:	<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:	BC011075 , AAH11075
RefSeq Size:	1525 bp
RefSeq ORF:	1056 bp
Locus ID:	11972
UniProt ID:	P51863
Cytogenetics:	8 D3
Gene Summary:	Subunit of the integral membrane V0 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system. May play a role in coupling of proton transport and ATP hydrolysis. May play a role in cilium biogenesis through regulation of the transport and the localization of proteins to the cilium (By similarity). In aerobic conditions, involved in intracellular iron homeostasis, thus triggering the activity of Fe(2+) prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation (By similarity).[UniProtKB/Swiss-Prot Function]