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Product datasheet for SC125931

ATP6V0D2 (NM_152565) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP6V0D2 (NM_152565) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP6V0D2
Synonyms:	ATP6D2; VMA6
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_152565 edited
GCTAGTGCAAATCTTCAGGGGCCGTCCAGGACTACAGAGCTGTTTCACCCTACCTTGGCT
TCAATCTCTTCCCCCATGCTCGAAGGTGCGGAGCTGTACTTCAACGTGGACCATGGCTAC
CTGGAGGGCCTGGTTCGAGGATGCAAGGCCAGCCTCCTGACCCAGCAAGACTATATCAAC
CTGGTCCAGTGTGAGACCCTAGAAGACCTGAAAATTCATCTCCAGACTACTGATTATGGT
AACTTTTTGGCTAATCACACAAATCCTCTTACTGTTTCCAAAATTGACACTGAGATGAGG
AAAAGACTATGTGGAGAATTTGAGTATTTCCGGAATCATTCCCTGGAGCCCCTCAGCACA
TTTCTCACCTATATGACGTGCAGTTATATGATAGACAATGTGATTCTGCTGATGAATGGT
GCATTGCAGAAAAAATCTGTGAAAGAAATTCTGGGGAAGTGCCACCCCTTGGGCCGTTTC
ACAGAAATGGAAGCTGTCAACATTGCAGAGACACCTTCAGATCTCTTTAATGCCATTCTG
ATCGAAACGCCATTAGCTCCATTCTTCCAAGACTGCATGTCTGAAAATGCTCTAGATGAA
CTGAATATTGAATTGCTACGCAATAAACTATACAAGTCTTACCTTGAGGCATTCTATAAA
TTCTGTAAGAATCATGGTGATGTCACAGCAGAAGTTATGTGTCCCATTCTTGAGTTTGAG
GCCGACAGACGTGCTTTTATCATCACTCTTAACTCCTTTGGCACTGAATTGAGCAAAGAA
GACCGAGAGACCCTCTATCCAACCTTCGGCAAACTCTATCCTGAGGGGTTGCGGCTGTTG
GCTCAAGCAGAAGACTTTGACCAGATGAAGAACGTAGCGGATCATTACGGAGTATACAAA
CCTTTATTTGAAGCTGTAGGTGGCAGTGGGGGAAAGACATTGGAGGACGTGTTTTACGAG
CGTGAGGTACAAATGAATGTGCTGGCATTCAACAGACAGTTCCACTACGGTGTGTTTTAT
GCATATGTAAAGCTGAAGGAACAGGAAATTAGAAATATTGTGTGGATAGCAGAATGTATT
TCACAGAGGCATCGAACTAAAATCAACAGTTACATTCCAATTTTATAACCCAAGTAAGGT
TCTCAAATGTAGAAAATTATAAATGTTAAAAGGAAGTTATTGAAGAAAATAAAAGAAATT
ATGTTATATTATCTAGACTACACAAAAGTAAGCCACACTATATCTTCATGAGTTGCAAAT
CCATGGAAACACAGTAAACCAGCCCTGAAACAAAGCATTTCCTTGTTTTCAGTGGTATTA
GATCTTGTTTCCACATGTCTGTCTCATTCTTCACTGGGCCTTACAGGTTAGTTTTAATTA
ACTCTATGGTATTTTTCTTATTCTTGTTTGATCATGTTAAAAATTGGACCTAATAAAAGT
ATTTTATTCTTGCTTTTCCATGCTTCTCTACAGGTCCAAATACTGAATGTCTCCTTTACT
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GTGGTGTGATCACAGCTCACTGCAGCCTCGACTTCCCAGGCTCAAGTGATCCTCCCAGCT
CTCAGCCTCCAAAGTAGCTGGCACTACAAGTGTACACCCCCACACAAGGCTAAGTTTTGT
ATTTTTTGTAGAGACAGGGTTTCAACATATTATCCAGGCTGGTGTCGAATTCCTGGGCTC
CAGGGATCCACAGTCCCCCTTGGCCTCCCAAAGTGTTGGGATTACATGCATGAGCCACTG
TGCTGGGCTTCATTTACATTTTAACTGTCTGTTCCTTGCCTAGATTCACAGAAATCCAAA
GCTGTATGTAGTCAACATGGTTCACAAGTGTTGGAAAATGTGTTTTTTGTTTTGTTTTGT
TTTGTTTCGTTTTGTTTTGAGACAGAGTTTCCCTCTGTCGCCCAGGCTAGAGTGCAATGG
CGTGATCTCGGCTCACTGCAACCTCCACCTCCCAGATTCAAGCAACTCTCTGCCTCAGCC
TCCCGAGTAGCTGGGATTACAAGCACCCACCACTACACTCAGCTAATTTTTTGTATTTTT
AGTAGAGCCGGGGTTTCACCATCTTGGCCAGGCTGATCTTGAACTCCTGAGCTCATGATC
CACCCGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCCCCTTGTTCAGCCACTGCACCT
GGCCCCTTATTTTGTTTTTGTTTTCTAATATACTTTGATGTAATCAGCTTGAGAAAGCAA
CACAATTTCAAATCCTATCTTCTAGATGCAAGCAGTGTTAAATTTGTTAATAAATTTGCT
TTTCACACCTTTCTTTAAATAAAAGGTATATCTCTCTTTAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152565 unedited
GGTCNGATTTGTAAACGACTTACTATAGGCGGCCGCGAATCAGATCTGGTACCGGTCCGG
ATTCCCGGGAGCTAGTGCAAATCTTCAGGGCCGTCCAGGACTACAGAGCTGTTTCACCCT
ACCTTGGCTTCAATCTCTTCCCCCATGCTCGAAGGTGCGGAGCTGTACTTCAACGTGGAC
CATGGCTACCTGGAGGGCCTGGTTCGAGGATGCAAGGCCAGCCTCCTGACCCAGCAAGAC
TATATCAACCTGGTCCAGTGTGAGACCCTAGAAGACCTGAAAATTCATCTCCAGACTACT
GATTATGGTAACTTTTTGGCTAATCACACAAATCCTCTTACTGTTTCCAAAATTGACACT
GAGATGAGGAAAAGACTATGTGGAGAATTTGAGTATTTCCGGAATCATTCCCTGGAGCCC
CTCAGCACATTTCTCACCTATATGACGTGCAGTTATATGATAGACAATGTGATTCTGCTG
ATGAATGGTGCATTGCAGAAAAAATCTGTGAAAGAAATTCTGGGGAAGTGCCACCCCTTG
GGCCGTTTCACAGAAATGGAAGCTGTCAACATTGCAGAGACACCTTCAGATCTCTTTAAT
GCCATTCTGATCGAAACGCCATTAGCTCCATTCTTCNCAAACTGCATGTCTGAAAATGCT
CTAGATGAACTGAATATTGAATTGCTACGCAATAAACTATACAAGTCTTACCTTGAGGCA
TTCTATAAATTCTGTAAGAATCATGGTGATGTCACAGCAGAAGTTTATGTGTCCCATTCC
TGGAGTTTGAGGCCGACCAGACCGGCTTTNATCATCACTCTTAAACTCCTTGGCACTTGA
TTGAGCAAAAAAACCGAGAAACCCTTTTTCCAACTTGCGCAACTCTTTCCTGAGGGGTGC
CGCCTTTTGCTCAACACAAAACATTGAC

Restriction Sites: Please inquire

ACCN: NM_152565

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_152565.1, NP_689778.1

RefSeq Size: 2370 bp

RefSeq ORF: 1053 bp

Locus ID: 245972

UniProt ID: Q8N8Y2

Cytogenetics: 8q21.3

Protein Pathways: Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

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 (By similarity). [UniProtKB/Swiss-Prot Function]