

Product datasheet for **MC200684**

Atp6v1h (NM_133826) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v1h (NM_133826) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp6v1h
Synonyms:	0710001F19Rik; AU022349; CGI-11; SFD; SFDalpha; SFDbeta; VMA13
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC009154 sequence for NM_133826
CACGGAGTCGCCTTCGTTCTGCTCTGGGTCTCCCGTGGCCACTGAGACCTCGGAGCTCGACCGGCCTG
CCCCCGGTGCGGCCCTCACTCCCCGAGGCTATCCAGGTCTGTGGGAAACATTCAAAGTCATAAAGTTTA
GATGACCAAGATGGACATTTCGAGGTGCTGTGGATGCTGCTGTCCCACTAACATCATTGCGGCCAAGGCT
GCTGAAGTTCGTGCCAACAAAGTGAAGTGGCAGTCTTATCTTCAGGGGCAGATGATTTCTGCTGAAGATT
GTGAATTTATTCAAAGGTTTGAATGAAAAGAAGTTCGAGGACAAGCAAGAGATGCTTCAAAGTGAAGG
CAGCCAGTGTGCTAAAACATTTATAAATCTGATGACGCACATCTCCAAAGAACAGACAGTGCAGTACATA
CTAACCATGGTTGACGATATGCTGCAGGAAAATCACCAGCGTGTGACATTTTCTTTGACTATGCGAAAC
GAAGCAAGAGCACTGCCTGGCCATACTTTCTGCCAATGTTGAATCGCCAGGATCCCTTTACTGTTATAT
GGCAGCAAGAATTATCGCCAAGTTAGCTGCTTGGGGGAAAGAAGTATGGAAGGCAGTGAAGTAAATTAC
TATTTCAATTGGATAAAAACTCAGCTGAGTTCACAGAACTTCGTGGCAGCGGTGTTGCTGTTGAAACAG
GAACAATCTCTCAAGTGATAGTTCTCAGTATGTGCAGTGTGTTGCTGGCTGTCTGCAGTGTGCTCCG
GGTCAATGAGTACCGTTTGCCTGGGTAGAAGCAGATGGAGTGAAGTGTATAATGGGCGTTTGGAGTAAC
AAGTGTGGTTTTCAACTCAATACCAAATGATTTTTTTCAGTATGGCTCCTGGCATTGAGTCTCAAATGT
GTGAGCACCTTCGTCGATAAATCATTCTGTTCTATCAGACATCCTTCAAGAATCTGTCAAAGAGAA
AGTAACAAGAATCATTCTTGACGATTCGGAATTTCTTAGAAAAATCAACGGAAAGAGAAACTCGCCAA
GAGTATGCTCTGGCTATGATTCAATGCAAAGTACTGAAACAGTTGGAGAATTTGGAGCAGCAGAAGTATG
ATGATGAAGATATCAGTGAAGACATCAAATTTCTTTTGGAAAACTTGGTGAAGTGTCCAGGACCTTAG
CTCATTGATGAATACAGTTCAGAACTTAAATCTGGAAGATTGGAATGGAGCCCTGTACACAAGTCTGAG
AAATTTTGGAGAGAAAATGCCGTGAGGTTGAATGAGAAGAAGTGAAGTCTTGAAGTCTTGAAGTCTGAG
TTCTGGAGGTATCAGATGATCCACAAGTCTTAGCTGTTGCTGCTCAGGATGTTGGAGAATATGTCGGCA
TTATCCCCGGGGAAAACGGGTTATTGAGCAGCTTGGTGGAAAGCAGTTGGTGAAGCAGTGCACCATGCACCAT
GAAGACCAGCAGTTTCGCTACAATGCTCTTCTGGCCGTGCAGAAGCTCATGGTGCACAACATGGGAATATC
TTGGTAAACAACACTACAGTCAGAGCAGCCTCAGACTGCTGCTGCTCGGAGCTGAGCTGACCTGTTACGCT
TTCTGCACCTCCCATGGACCAGTGGAGTGAAGCCTCAGTCTTTAGGGTTAAAAGCAAATAGTTTTTAAT
TTAATGATTACTTCTTTTCTGTTGTATAGCTTTTCCCTATGGTAATTCCTGGGAGAATAAAAGTGTGTTGC
TTGTTAAATTGTATAAAATTAGATACTGCTGTATTAGAGAAATATTACTGTTACTTATATTCTTTATGA
TTTTTGATTTATTGCTCTGAAAATGAATATAAATTAAGGATTCTCACTCCAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_133826

Insert Size: 1452 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:

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: [BC009154](#), [AAH09154](#)

RefSeq Size: 1888 bp

RefSeq ORF: 1452 bp

Locus ID: 108664

UniProt ID: [Q8BVE3](#)

Cytogenetics: 1 A1

Gene Summary: Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit H activates the ATPase activity of the enzyme and couples ATPase activity to proton flow. 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. Involved in the endocytosis mediated by clathrin-coated pits, required for the formation of endosomes (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note:.