

Product datasheet for **SC205683**

ATP6V1H (NM_015941) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: ATP6V1H (NM_015941) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: ATP6V1H
Synonyms: CGI-11; MSTP042; NBP1; SFD; SFDalpha; SFDbeta; VMA13
ACCN: NM_015941
Insert Size: 451 bp
Insert Sequence: >SC205683 3'UTR clone of NM_015941
The sequence shown below is from the reference sequence of NM_015941. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG  
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC  
CAGCCCCAGACCGCTGCCGCCGAAGCTAAGCCTGCCTCTGGCCTCCCCTCCGCTCAATGCAGAACC  
AGTAGTGGGAGCACTGTGTTAGAGTTAAGAGTGAACACTGTTTACTTGAATTCCTCTGTT  
ATATAGCTTTTCCAATGCTAATTTCCAACAACAACAACAAATAACATGTTTGCCTGTTAAGTTGTA  
TAAAAGTAGGTGATTCTGTATTTAAAGAAAATATTACTGTTACATATACTGCTTGAATTTCTGTATTT  
ATTGTTCTCTGGAAATAATATAGTTATTAAGGATTCTCACTCCAACATGGCCTCTCTTTACTTGG  
GACTTTGAACAAAAGTCAACTGTTGTCTCTTTTCAAACAAATTGGGAGAATTGTTGCAAAGTAGTGA  
TGGCAAATAAATGTTTTAAATCTATCGCTCTATCAA  
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA  
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_015941.4](#)



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Summary:

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular organelles. V-ATPase-dependent organelle acidification is necessary for multiple processes including protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. The encoded protein is the regulatory H subunit of the V1 domain of V-ATPase, which is required for catalysis of ATP but not the assembly of V-ATPase. Decreased expression of this gene may play a role in the development of type 2 diabetes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]

Locus ID:

51606

MW:

16.9