

## Product datasheet for **SC211294**

### ATP6V1G2 (NM\_130463) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ATP6V1G2 (NM_130463) Human 3' UTR Clone
Symbol:	ATP6V1G2
Synonyms:	ATP6G; ATP6G2; NG38; VMA10
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_130463
Insert Size:	994 bp
Insert Sequence:	>SC211294 3'UTR clone of NM_130463 The sequence shown below is from the reference sequence of NM_130463. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTCCACCCCAACTACCGGATTTCTGCCTAGGGCCACCGTAGGGCCTGACTCCTTCTGCCAGTTCCCTCC
CTCAAAGAAATCCTCCAATCAAATCACCTCCCACCATAATCCCTGTCTCTTTCCATCCCTAGAAAT
CCTGGGAGGCAGGATCCAATAATTTTCTGTGACACTTATAAATATCCTGCTCACATCTGAATCTCCTT
GTTGTTCTTTAACCTCACTGGGACTTTGTAAACTTCCAAGTCATTCTCACCTAAACCCTCTGTGAAAT
TTGTAATATGGGGAAGTAGGAATGTGAAAACATCCTGACTTCAGTGTCTGGCCGATGTGGGTCCCTCT
CTTGACCTGTCACTTGCTGGCTGTGAAACCAGGACAAGCTACTTAACTTGGTAGCTCGATGTCCTCC
TCTGTGAAACTGGGATGATAATAATGCCTACCTTGTGAGGGTTGCTTCAATGATTAGGAATCATTCTGT
AAAGTCTAGCACAGTTCTTGCATGTTGTAGCAGTGATTAGTAAGTAGCAACCTGTGATACTATTAC
CACCACCTGCTCACTGGTCAAACCTACACAGCTGTTTCTCACGTCCATCACTGGCTCTCTAATTCCA
CTTGTTCATTCTGTGACCCTAGTTATTTTCTGAAAAATGGTTCTTCTCTTTTCCAGAGACCTTCTGA
TCTCCAAAAAGAGGAGATGACTACATTTAGCCCCTCTCTTATAAATCCAGGTAGATAACTGCATTTTGT
AGCCTCTCTTTGTTTTTCTTTTGTGATCTTTGTCTTTATTAGATTTTCTCCTTTCTCTATTCCCAA
AGACTTATCAGATGCTCATTGCTTTCTAAGATCTAAAATGATACTGTGTTCCCTCATATGCATGCCCTT
CCTTTCTATATCCTTGACACCTTACTTTCCATTGTAACAATAAAAAAAGTATCAATAAAATAATTATT
GGCAAATAAATTGGTGAGTTGAAGCAGC
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites: Sgfl-Mlul



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_130463.4</a>
<b>Summary:</b>	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is one of three V1 domain G subunit proteins. This gene had previous gene symbols of ATP6G and ATP6G2. Alternatively spliced transcript variants encoding different isoforms have been described. Read-through transcription also exists between this gene and the downstream DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B (DDX39B) gene. [provided by RefSeq, Feb 2011]
<b>Locus ID:</b>	534
<b>MW:</b>	37