

Product datasheet for **SC200604**

TCIRG1 (NM_006053) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TCIRG1 (NM_006053) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TCIRG1
Synonyms:	a3; Atp6i; ATP6N1C; ATP6V0A3; OC-116kDa; OC116; OPTB1; Stv1; TIRC7; Vph1
ACCN:	NM_006053
Insert Size:	106 bp
Insert Sequence:	>SC200604 3'UTR clone of NM_006053 The sequence shown below is from the reference sequence of NM_006053. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCCTTCACCTTCGCTGCCACAGATGACTAGGGCCCACTGCAGGTCCTGCCAGACCTCCTTCTGACCTC TGAGGCAGGAGAGGAATAAAGACGGTCCGCCCTGGCA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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:	<u>NM_006053.4</u>



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Summary:

This gene encodes a subunit of a large protein complex known as a vacuolar H⁺-ATPase (V-ATPase). The protein complex acts as a pump to move protons across the membrane. This movement of protons helps regulate the pH of cells and their surrounding environment. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. V-ATPase is comprised of a cytosolic V1 domain and a transmembrane V0 domain. Alternative splicing results in multiple transcript variants. Mutations in this gene are associated with infantile malignant osteopetrosis. [provided by RefSeq, May 2017]

Locus ID:

10312

MW:

3.8