

## Product datasheet for **SC202262**

### VPS16 (NM\_022575) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	VPS16 (NM_022575) Human 3' UTR Clone
Symbol:	VPS16
Synonyms:	DYT30; hVPS16
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_022575
Insert Size:	188 bp
Insert Sequence:	>SC202262 3'UTR clone of NM_022575 The sequence shown below is from the reference sequence of NM_022575. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> CGGGCCAGGGCACAAGCCAGAAGAAG <b>TGA</b> GGAGTCCATCCTGTACATCTCAAGCAAGGGGTTCTCC CTAGCACCTGGGCTTGGCAGAAGGGCCATAGTTCATCCAGCTCCTCCCCTAGAGCAATGCTGAGGAGCG GGGGCATGGTAGCAGGGTGTCTGGTTTTAAATAAAGTTGGAACACTTCA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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:	<u><a href="#">NM_022575.4</a></u>



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**Summary:**

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene encodes the human homolog of yeast class C Vps16 protein. The mammalian class C Vps proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009]

**Locus ID:**

64601

**MW:**

6.5