

Product datasheet for RC217614L4V

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VPS16 (NM_080413) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Symbol: VPS16

Synonyms: DYT30; hVPS16

Mammalian Cell: Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_080413

ORF Size: 2085 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as (RC217614).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq: [NM_080413.1, NP_536338.1](#)

RefSeq Size: 2337 bp

RefSeq ORF: 2088 bp

Locus ID: 64601

UniProt ID: [Q9H269](#)

Cytogenetics: 20p13



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Domains: Vps16_C, Vps16_N

Protein Families: Druggable Genome

MW: 78.1 kDa

Gene 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]