

Product datasheet for **RC218454L4V**

VPS41 (NM_080631) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Lentiviral Particles |
| Product Name: | VPS41 (NM_080631) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | VPS41 |
| Synonyms: | HVPS41; hVps41p; HVSP41 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_080631 |
| ORF Size: | 2487 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC218454). |
| 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_080631.3 , NP_542198.2 |
| RefSeq Size: | 4819 bp |
| RefSeq ORF: | 2490 bp |
| Locus ID: | 27072 |
| UniProt ID: | P49754 |
| Cytogenetics: | 7p14.1 |
| Domains: | Clathrin |
| Protein Families: | Druggable Genome |



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MW: 95.7 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 ortholog of yeast Vps41 protein which is also conserved in Drosophila, tomato, and Arabidopsis. Expression studies in yeast and human indicate that this protein may be involved in the formation and fusion of transport vesicles from the Golgi. Several transcript variants encoding different isoforms have been described for this gene, however, the full-length nature of not all is known. [provided by RefSeq, Jul 2008]