

## Product datasheet for **RC200394L2V**

### ATP6AP1 (NM\_001183) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | ATP6AP1 (NM_001183) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | ATP6AP1  |
| Synonyms:                 | 16A; Ac45; ATP6IP1; ATP6S1; CF2; VATPS1; XAP-3; XAP3   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001183  |
| ORF Size:                 | 1410 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC200394).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_001183.3</a>  |
| RefSeq Size:              | 2100 bp  |
| RefSeq ORF:               | 1413 bp  |
| Locus ID:                 | 537  |
| UniProt ID:               | <a href="#">Q15904</a>   |
| Cytogenetics:             | Xq28   |
| Protein Families:         | Transmembrane  |



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|                          |  |
|--------------------------|--|
| <b>Protein Pathways:</b> | Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection   |
| <b>MW:</b>               | 52 kDa   |
| <b>Gene Summary:</b>     | This gene encodes a component of a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. Vacuolar ATPase (V-ATPase) is comprised of a cytosolic V1 (site of the ATP catalytic site) and a transmembrane V0 domain. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. The encoded protein of this gene may assist in the V-ATPase-mediated acidification of neuroendocrine secretory granules. This protein may also play a role in early development. [provided by RefSeq, Aug 2013] |