

## Product datasheet for **RC230888L4V**

### ATP12A (NM\_001185085) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | ATP12A (NM_001185085) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | ATP12A   |
| Synonyms:                 | ATP1AL1; H-K-ATPase; HK  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001185085   |
| ORF Size:                 | 3135 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC230888).   |
| OTI Disclaimer:           | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p> |
| 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_001185085.1</a> , <a href="#">NP_001172014.1</a>  |
| RefSeq ORF:               | 3138 bp  |
| Locus ID:                 | 479  |



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|                   |   |
|-------------------|---|
| UniProt ID:       | <a href="#">P54707</a>  |
| Cytogenetics:     | 13q12.1-q12.3   |
| Protein Families: | Druggable Genome, Transmembrane   |
| Protein Pathways: | Oxidative phosphorylation   |
| MW:               | 116.5 kDa   |
| Gene Summary:     | <p>The protein encoded by this gene belongs to the family of P-type cation transport ATPases. This gene encodes a catalytic subunit of the ouabain-sensitive H<sup>+</sup>/K<sup>+</sup> -ATPase that catalyzes the hydrolysis of ATP coupled with the exchange of H(+) and K(+) ions across the plasma membrane. It is also responsible for potassium absorption in various tissues. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]</p> |