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# Product datasheet for RC228044L4V

## ATP5L2 (NM_001165877) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Symbol:** | ATP5L2 |
| **Synonyms:** | ATP5K2; ATP5L2 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001165877 |
| **ORF Size:** | 300 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC228044). |
| **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_001165877.1, NP_001159349.1 |
| **RefSeq ORF:** | 303 bp |
| **Locus ID:** | 267020 |
| **UniProt ID:** | Q7Z4Y8 |
| **Cytogenetics:** | 22q13.2 |
| **MW:** | 10.9 kDa |

**Gene Summary:** Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain. Minor subunit located with subunit a in the membrane (By similarity).[UniProtKB/Swiss-Prot Function]