**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for MR220908L3V

## Atp5g3 (NM_175015) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Atp5g3 (NM_175015) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Atp5g3 |
| **Synonyms:** | 6030447M23; Atp5mc3 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_175015 |
| **ORF Size:** | 426 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(MR220908).` |
| **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_175015.2, NP_778180.1 |
| **RefSeq Size:** | 729 bp |
| **RefSeq ORF:** | 426 bp |
| **Locus ID:** | 228033 |
| **UniProt ID:** | P56384 |
| **Cytogenetics:** | 2 C3 |

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**Gene Summary:** The protein encoded by this gene is a subunit of mitochondrial membrane ATP synthase, the enzyme that catalyzes ATP synthesis during oxidative phosphorylation. This gene encodes subunit 9, which is present in multiple copies in the transmembrane part of the ATP synthase complex. Phenotype and gene expression profiles suggest correlations between this gene and alcoholism- and obesity-related phenotypes. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Sep 2014]