

Product datasheet for MR211503L3

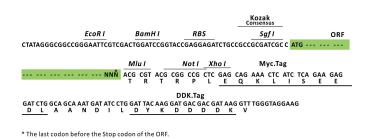
Atp2a3 (NM_016745) Mouse Tagged Lenti ORF Clone

Product data:

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 Type: | Expression Plasmids |
|------------------------------|--|
| Product Name: | Atp2a3 (NM_016745) Mouse Tagged Lenti ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Atp2a3 |
| Synonyms: | Serca3; SERCA3b |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR211503). |
| Restriction Sites: | Sgfl-Mlul |
| Cloning Scheme: | |
| | Cloning sites used for ORF Shuttling: |
| | |
| | Sgf I ORF Mlu I GCG ATC GC C ATG // NNN ACG CGT |
| | |



ACCN: ORF Size: NM_016745 3114 bp



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| ORIGENE Atp2a | 13 (NM_016745) Mouse Tagged Lenti ORF Clone – MR211503L3 |
|-----------------------|--|
| 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. <u>More info</u> |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method | Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM 016745.3, NP 058025.2</u> |
| RefSeq Size: | 4593 bp |
| RefSeq ORF: | 3117 bp |
| Locus ID: | 53313 |
| UniProt ID: | <u>Q64518</u> |
| Cytogenetics: | 11 B4 |
| Gene Summary: | This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium. Transports calcium ions from the cytosol into the sarcoplasmic/endoplasmic reticulum lumen. Contributes to calcium sequestration involved in muscular excitation/contraction.[UniProtKB/Swiss-Prot Function] |

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