

Product datasheet for **MR202551L4V**

Mmachc (NM_025962) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Mmachc (NM_025962) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Mmachc |
| Synonyms: | 1810037K07Rik; Cb1C |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_025962 |
| ORF Size: | 669 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR202551). |
| 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_025962.1 |
| RefSeq Size: | 1950 bp |
| RefSeq ORF: | 840 bp |
| Locus ID: | 67096 |
| UniProt ID: | Q9CZD0 |
| Cytogenetics: | 4 D1 |



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Gene Summary:

Catalyzes the reductive dealkylation of cyanocobalamin to cob(II)alamin, using FAD or FMN as cofactor and NADPH as cosubstrate. Can also catalyze the glutathione-dependent reductive demethylation of methylcobalamin, and, with much lower efficiency, the glutathione-dependent reductive demethylation of adenosylcobalamin. Under anaerobic conditions cob(I)alamin is the first product; it is highly reactive and is converted to aquocob(II)alamin in the presence of oxygen. Binds cyanocobalamin, adenosylcobalamin, methylcobalamin and other, related vitamin B12 derivatives.[UniProtKB/Swiss-Prot Function]