

Product datasheet for **MR220211L4V**

Mthfs (NM_026829) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Mthfs (NM_026829) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Mthfs |
| Synonyms: | 1110034I12Rik; 2310020H23Rik; AI119695 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_026829 |
| ORF Size: | 609 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR220211). |
| 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_026829.2 , NP_081105.1 |
| RefSeq Size: | 768 bp |
| RefSeq ORF: | 612 bp |
| Locus ID: | 107885 |
| UniProt ID: | Q9D110 |
| Cytogenetics: | 9 E3.1 |



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Gene Summary:

Contributes to tetrahydrofolate metabolism. Helps regulate carbon flow through the folate-dependent one-carbon metabolic network that supplies carbon for the biosynthesis of purines, thymidine and amino acids. Catalyzes the irreversible conversion of 5-formyltetrahydrofolate (5-CHO-H(4)PteGlu) to yield 5,10-methenyltetrahydrofolate (By similarity).[UniProtKB/Swiss-Prot Function]