

## Product datasheet for **RC212032L1V**

### MTRR (NM\_024010) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MTRR (NM_024010) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MTRR
Synonyms:	cbIE; MSR
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_024010
ORF Size:	2175 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212032).
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. <a href="#">More info</a>
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:	<a href="#">NM_024010.1</a>
RefSeq Size:	3291 bp
RefSeq ORF:	2097 bp
Locus ID:	4552
UniProt ID:	<a href="#">Q9UBK8</a>
Cytogenetics:	5p15.31
Domains:	flavodoxin, NAD_binding_1, FAD_binding_1
Protein Families:	Druggable Genome



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**MW:** 80.2 kDa

**Gene Summary:** This gene encodes a member of the ferredoxin-NADP(+) reductase (FNR) family of electron transferases. This protein functions in the synthesis of methionine by regenerating methionine synthase to a functional state. Because methionine synthesis requires methyl-group transfer by a folate donor, activity of the encoded enzyme is important for folate metabolism and cellular methylation. Mutations in this gene can cause homocystinuria-megaloblastic anemia, cbl E type. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2015]