

## Product datasheet for **RC223034L4V**

### MTHFD1L (NM\_015440) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MTHFD1L (NM_015440) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MTHFD1L
Synonyms:	dj292B18.2; FTHFSDC1; MTC1THFS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015440
ORF Size:	2934 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223034).
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_015440.3</a>
RefSeq Size:	3613 bp
RefSeq ORF:	2937 bp
Locus ID:	25902
UniProt ID:	<a href="#">Q6UB35</a>
Cytogenetics:	6q25.1
Domains:	FTHFS
Protein Pathways:	Glyoxylate and dicarboxylate metabolism, Metabolic pathways, One carbon pool by folate



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**MW:** 105.6 kDa

**Gene Summary:** The protein encoded by this gene is involved in the synthesis of tetrahydrofolate (THF) in the mitochondrion. THF is important in the de novo synthesis of purines and thymidylate and in the regeneration of methionine from homocysteine. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2011]