

Product datasheet for **RC205749L4V**

MTHFS (NM_006441) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MTHFS (NM_006441) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MTHFS
Synonyms:	HsT19268; NEDMEHM
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006441
ORF Size:	609 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205749).
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_006441.1
RefSeq Size:	2346 bp
RefSeq ORF:	612 bp
Locus ID:	10588
UniProt ID:	P49914
Cytogenetics:	15q25.1
Domains:	5-FTHF_cyc-lig
Protein Pathways:	Metabolic pathways, One carbon pool by folate



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MW: 23.3 kDa

Gene Summary: The protein encoded by this gene is an enzyme that catalyzes the conversion of 5-formyltetrahydrofolate to 5,10-methenyltetrahydrofolate, a precursor of reduced folates involved in 1-carbon metabolism. An increased activity of the encoded protein can result in an increased folate turnover rate and folate depletion. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]