

Product datasheet for **RC207497L2V**

GNMT (NM_018960) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GNMT (NM_018960) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GNMT
Synonyms:	HEL-S-182mP
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_018960
ORF Size:	885 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207497).
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_018960.4
RefSeq Size:	1091 bp
RefSeq ORF:	888 bp
Locus ID:	27232
UniProt ID:	Q14749
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome
Protein Pathways:	Glycine, serine and threonine metabolism

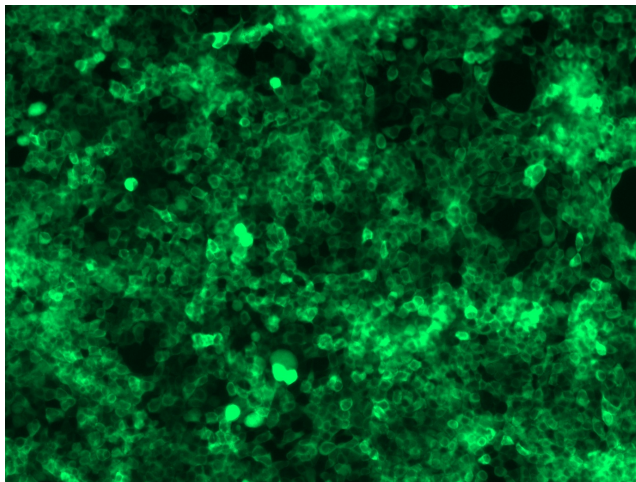


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MW: 32.7 kDa

Gene Summary: The protein encoded by this gene is an enzyme that catalyzes the conversion of S-adenosyl-L-methionine (along with glycine) to S-adenosyl-L-homocysteine and sarcosine. This protein is found in the cytoplasm and acts as a homotetramer. Defects in this gene are a cause of GNMT deficiency (hypermethioninemia). Alternative splicing results in multiple transcript variants. Naturally occurring readthrough transcription occurs between the upstream CNPY3 (canopy FGF signaling regulator 3) gene and this gene and is represented with GeneID:107080644. [provided by RefSeq, Jan 2016]

Product images:



[RC207497L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC207497L2V particle to overexpress human GNMT-mGFP fusion protein.