

Product datasheet for **RC228308L3V**

Aminomethyltransferase (AMT) (NM_001164712) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Aminomethyltransferase
Synonyms:	GCE; GCST; GCVT; NKH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001164712
ORF Size:	1158 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC228308).

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_001164712.1](#)

RefSeq ORF: 1161 bp

Locus ID: 275

UniProt ID: [P48728](#)

Cytogenetics: 3p21.31

Protein Pathways: Glycine, serine and threonine metabolism, Metabolic pathways, Nitrogen metabolism, One carbon pool by folate



MW: 41.6 kDa

Gene Summary: This gene encodes one of four critical components of the glycine cleavage system. Mutations in this gene have been associated with glycine encephalopathy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]