

Product datasheet for RC228308L4V

OriGene Technologies, Inc.

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

Product data:

Product Type: Lentiviral Particles

Product Name: Aminomethyltransferase (AMT) (NM_001164712) Human Tagged ORF Clone Lentiviral Particle

Symbol: Aminomethyltransferase

Synonyms: GCE; GCST; GCVT; NKH

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

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: <u>NM 001164712.1</u>

 RefSeq ORF:
 1161 bp

 Locus ID:
 275

 UniProt ID:
 P48728

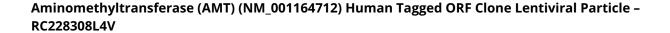
Cytogenetics: 3p21.31

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]