Product datasheet for RC202434L1V

CTP synthase (CTPS1) (NM_001905) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CTP synthase (CTPS1) (NM_001905) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CTP synthase
Synonyms:	CTPS; GATD5; GATD5A; IMD24
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001905
ORF Size:	1773 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202434).
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_001905.1
RefSeq Size:	3248 bp
RefSeq ORF:	1776 bp
Locus ID:	1503
UniProt ID:	P17812
Cytogenetics:	1p34.2
Domains:	GATase
Protein Pathways:	Metabolic pathways, Pyrimidine metabolism

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MW: 66.7 kDa

Gene Summary: This gene encodes an enzyme responsible for the catalytic conversion of UTP (uridine triphosphate) to CTP (cytidine triphospate). This reaction is an important step in the biosynthesis of phospholipids and nucleic acids. Activity of this proten is important in the immune system, and loss of function of this gene has been associated with immunodeficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]