Product datasheet for RC207089L4V

OSGEP (NM_017807) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	OSGEP (NM_017807) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OSGEP
Synonyms:	GAMOS3; GCPL1; KAE1; OSGEP1; PRSMG1; TCS3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_017807
ORF Size:	1005 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207089).
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_017807.2
RefSeq Size:	1642 bp
RefSeq ORF:	1008 bp
Locus ID:	55644
UniProt ID:	Q9NPF4
Cytogenetics:	14q11.2
Domains:	Peptidase_M22
Protein Families:	Druggable Genome, Protease

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MW: 36.4 kDa

Gene Summary: Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. OSGEP likely plays a direct catalytic role in this reaction, but requires other protein(s) of the complex to fulfill this activity.[UniProtKB/Swiss-Prot Function]