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Product datasheet for RC207653L4V

TLK1 (NM_012290) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TLK1 (NM_012290) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TLK1
Synonyms:	PKU-beta
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012290
ORF Size:	2298 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207653).
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_012290.3, NP_036422.3
RefSeq Size:	5751 bp
RefSeq ORF:	2301 bp
Locus ID:	9874
UniProt ID:	Q9UKI8
Cytogenetics:	2q31.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

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MW: 86.7 kDa

Gene Summary: The protein encoded by this gene is a serine/threonine kinase that may be involved in the regulation of chromatin assembly. The encoded protein is only active when it is phosphorylated, and this phosphorylation is cell cycle-dependent, with the maximal activity of this protein coming during S phase. The catalytic activity of this protein is diminished by DNA damage and by blockage of DNA replication. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]