

## Product datasheet for **RC202721L4V**

### Creatine kinase M type (CKM) (NM\_001824) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Creatine kinase M type (CKM) (NM_001824) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Creatine kinase M type
Synonyms:	CKMM; CPK-M; M-CK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001824
ORF Size:	1143 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202721).
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. <a href="#">More info</a>
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:	<a href="#">NM_001824.2</a>
RefSeq Size:	1666 bp
RefSeq ORF:	1146 bp
Locus ID:	1158
UniProt ID:	<a href="#">P06732</a>
Cytogenetics:	19q13.32
Domains:	ATP-gua_Ptrans
Protein Families:	Druggable Genome



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**Protein Pathways:** Arginine and proline metabolism, Metabolic pathways

**MW:** 43.1 kDa

**Gene Summary:** The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq, Jul 2008]