

## Product datasheet for **RC212570L1V**

### **MSK2 / RSK-B (RPS6KA4) (NM\_003942) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	MSK2 / RSK-B (RPS6KA4) (NM_003942) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MSK2 / RSK-B
Synonyms:	MSK2; RSK-B; S6K-alpha-4
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_003942
ORF Size:	2316 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212570).
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_003942.2</a>
RefSeq Size:	3149 bp
RefSeq ORF:	2319 bp
Locus ID:	8986
UniProt ID:	<a href="#">O75676</a>
Cytogenetics:	11q13.1
Domains:	kinase, S_TK_X
Protein Families:	Druggable Genome, Protein Kinase, Transcription Factors



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**Protein Pathways:** MAPK signaling pathway, Neurotrophin signaling pathway

**MW:** 85.4 kDa

**Gene Summary:** This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including CREB1 and ATF1. The encoded protein can also phosphorylate histone H3 to regulate certain inflammatory genes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]