

Product datasheet for **RC228649L3V**

Raptor (RPTOR) (NM_001163034) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Raptor (RPTOR) (NM_001163034) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Raptor
Synonyms:	KOG1; Mip1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001163034
ORF Size:	3531 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228649).
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_001163034.1
RefSeq ORF:	3534 bp
Locus ID:	57521
UniProt ID:	Q8N122
Cytogenetics:	17q25.3
Protein Pathways:	Insulin signaling pathway, mTOR signaling pathway
MW:	131.3 kDa



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Gene Summary:

This gene encodes a component of a signaling pathway that regulates cell growth in response to nutrient and insulin levels. The encoded protein forms a stoichiometric complex with the mTOR kinase, and also associates with eukaryotic initiation factor 4E-binding protein-1 and ribosomal protein S6 kinase. The protein positively regulates the downstream effector ribosomal protein S6 kinase, and negatively regulates the mTOR kinase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]