

Product datasheet for RC228649L3

Raptor (RPTOR) (NM_001163034) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Raptor (RPTOR) (NM_001163034) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Raptor
Synonyms:	KOG1; Mip1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228649).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.



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UniProt ID: [Q8N122](#)

Cytogenetics: 17q25.3

Protein Pathways: Insulin signaling pathway, mTOR signaling pathway

MW: 131.3 kDa

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]