

## Product datasheet for **RC217764L1V**

### ROCK2 (NM\_004850) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ROCK2 (NM_004850) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ROCK2
Synonyms:	ROCK-II
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004850
ORF Size:	4164 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217764).
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_004850.3</a>
RefSeq Size:	6401 bp
RefSeq ORF:	4167 bp
Locus ID:	9475
UniProt ID:	<a href="#">O75116</a>
Cytogenetics:	2p25.1
Domains:	pkinese, HR1, PH, M
Protein Families:	Druggable Genome, Protein Kinase



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**Protein Pathways:** Axon guidance, Chemokine signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, TGF-beta signaling pathway, Vascular smooth muscle contraction, Wnt signaling pathway

**MW:** 160.7 kDa

**Gene Summary:** The protein encoded by this gene is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers and focal adhesions, and the activation of the c-fos serum response element. This protein, which is an isozyme of ROCK1 is a target for the small GTPase Rho. [provided by RefSeq, Jul 2008]