

Product datasheet for **RC202927L3V**

RRAD (NM_004165) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RRAD (NM_004165) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RRAD
Synonyms:	RAD; RAD1; REM3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004165
ORF Size:	924 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202927).
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_004165.1
RefSeq Size:	1443 bp
RefSeq ORF:	927 bp
Locus ID:	6236
UniProt ID:	P55042
Cytogenetics:	16q22.1
Domains:	ras, RAS, RAB
MW:	33.1 kDa


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Gene Summary:

May play an important role in cardiac antiarrhythmia via the strong suppression of voltage-gated L-type Ca^{2+} currents. Regulates voltage-dependent L-type calcium channel subunit $\alpha\text{-1C}$ trafficking to the cell membrane (By similarity). Inhibits cardiac hypertrophy through the calmodulin-dependent kinase II (CaMKII) pathway. Inhibits phosphorylation and activation of CAMK2D.[UniProtKB/Swiss-Prot Function]