

Product datasheet for **RC212259L4V**

MRAS (NM_012219) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MRAS (NM_012219) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MRAS
Synonyms:	M-RAS; NS11; R-RAS3; RRAS3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012219
ORF Size:	624 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212259).
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_012219.2
RefSeq Size:	3926 bp
RefSeq ORF:	627 bp
Locus ID:	22808
UniProt ID:	O14807
Cytogenetics:	3q22.3
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome



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Protein Pathways: MAPK signaling pathway, Regulation of actin cytoskeleton, Tight junction

MW: 23.7 kDa

Gene Summary: This gene encodes a member of the Ras family of small GTPases. These membrane-associated proteins function as signal transducers in multiple processes including cell growth and differentiation, and dysregulation of Ras signaling has been associated with many types of cancer. The encoded protein may play a role in the tumor necrosis factor-alpha and MAP kinase signaling pathways. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]