

Product datasheet for **MR201847L4V**

Rac2 (NM_009008) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Rac2
Synonyms:	AI323801; AI452260
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009008
ORF Size:	576 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR201847).

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_009008.3](#), [NP_033034.1](#)

RefSeq Size: 3036 bp

RefSeq ORF: 579 bp

Locus ID: 19354

UniProt ID: [Q05144](#)

Cytogenetics: 15 E1



Gene Summary:

Plasma membrane-associated small GTPase which cycles between an active GTP-bound and inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses, such as secretory processes, phagocytosis of apoptotic cells and epithelial cell polarization. Augments the production of reactive oxygen species (ROS) by NADPH oxidase.[UniProtKB/Swiss-Prot Function]