

## Product datasheet for **RC208308L4V**

### MICAL1 (NM\_022765) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MICAL1 (NM_022765) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MICAL1
Synonyms:	MICAL; MICAL-1; NICAL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022765
ORF Size:	3201 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208308).
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_022765.2</a>
RefSeq Size:	3661 bp
RefSeq ORF:	3204 bp
Locus ID:	64780
UniProt ID:	<a href="#">Q8TDZ2</a>
Cytogenetics:	6q21
Domains:	CH, LIM
MW:	117.9 kDa



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**Gene Summary:**

This gene encodes an enzyme that oxidizes methionine residues on actin, thereby promoting depolymerization of actin filaments. This protein interacts with and regulates signalling by NEDD9/CAS-L (neural precursor cell expressed, developmentally down-regulated 9). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]