

Product datasheet for **MR211036L3V**

Mios (NM_145374) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mios (NM_145374) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mios
Synonyms:	C81488
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_145374
ORF Size:	2628 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211036).
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_145374.1 , NP_663349.1
RefSeq Size:	3724 bp
RefSeq ORF:	2628 bp
Locus ID:	252875
UniProt ID:	Q8VE19
Cytogenetics:	6 A1


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Gene Summary:

As a component of the GATOR subcomplex GATOR2, functions within the amino acid-sensing branch of the TORC1 signaling pathway. Indirectly activates mTORC1 and the TORC1 signaling pathway through the inhibition of the GATOR1 subcomplex. It is negatively regulated by the upstream amino acid sensors SESN2 and CASTOR1.[UniProtKB/Swiss-Prot Function]