

Product datasheet for **MR226584L3V**

Magi3 (NM_133853) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Magi3 (NM_133853) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Magi3
Synonyms:	4732496O19Rik; 6530407C02Rik; AA407180; AI120132; mKIAA1634
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_133853
ORF Size:	3378 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226584).
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_133853.3 , NP_598614.1
RefSeq Size:	6672 bp
RefSeq ORF:	3381 bp
Locus ID:	99470
UniProt ID:	Q9EQJ9
Cytogenetics:	3 45.52 cM



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Gene Summary:

Acts as a scaffolding protein at cell-cell junctions, thereby regulating various cellular and signaling processes. Cooperates with PTEN to modulate the kinase activity of AKT1. Its interaction with PTPRB and tyrosine phosphorylated proteins suggests that it may link receptor tyrosine phosphatase with its substrates at the plasma membrane. In polarized epithelial cells, involved in efficient trafficking of TGFA to the cell surface. Regulates the ability of LPAR2 to activate ERK and RhoA pathways. Regulates the JNK signaling cascade via its interaction with FZD4 and VANGL2.[UniProtKB/Swiss-Prot Function]