

Product datasheet for **RC209651L2V**

MAD4 (MXD4) (NM_006454) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MAD4 (MXD4) (NM_006454) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAD4
Synonyms:	bHLHc12; MAD4; MST149; MSTP149
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_006454
ORF Size:	627 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209651).
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_006454.2
RefSeq Size:	3773 bp
RefSeq ORF:	630 bp
Locus ID:	10608
UniProt ID:	Q14582
Cytogenetics:	4p16.3
Domains:	HLH
Protein Families:	Druggable Genome, Transcription Factors



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MW: 23.3 kDa

Gene Summary: This gene is a member of the MAD gene family . The MAD genes encode basic helix-loop-helix-leucine zipper proteins that heterodimerize with MAX protein, forming a transcriptional repression complex. The MAD proteins compete for MAX binding with MYC, which heterodimerizes with MAX forming a transcriptional activation complex. Studies in rodents suggest that the MAD genes are tumor suppressors and contribute to the regulation of cell growth in differentiating tissues. [provided by RefSeq, Jul 2008]