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Product datasheet for RC210520L1V

Mad (MXD1) (NM_002357) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mad (MXD1) (NM_002357) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Mad
Synonyms:	BHLHC58; MAD; MAD1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002357
ORF Size:	663 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC210520).`
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_002357.2
RefSeq Size:	5630 bp
RefSeq ORF:	666 bp
Locus ID:	4084
UniProt ID:	Q05195
Cytogenetics:	2p13.3
Domains:	HLH
Protein Families:	Druggable Genome, Transcription Factors

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MW: 25.3 kDa

Gene Summary: This gene encodes a member of the MYC/MAX/MAD network of basic helix-loop-helix leucine zipper transcription factors. The MYC/MAX/MAD transcription factors mediate cellular proliferation, differentiation and apoptosis. The encoded protein antagonizes MYC-mediated transcriptional activation of target genes by competing for the binding partner MAX and recruiting repressor complexes containing histone deacetylases. Mutations in this gene may play a role in acute leukemia, and the encoded protein is a potential tumor suppressor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2011]