

Product datasheet for RC209651L2V

OriGene Technologies, Inc.

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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

The ORF insert of this clone is exactly the same as(RC209651).

OTI Disclaimer:

Sequence:

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.

RefSeg: NM 006454.2

RefSeq Size: 3773 bp

RefSeq ORF: 630 bp

Locus ID: 10608

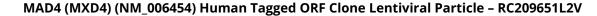
UniProt ID: Q14582

Cytogenetics: 4p16.3

Domains: HLH

Protein Families: Druggable Genome, Transcription Factors





ORIGENE

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]