

Product datasheet for RC200747L3

OriGene Technologies, Inc.

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MAD3 (MXD3) (NM_031300) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MAD3 (MXD3) (NM_031300) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: MAD3

Synonyms: BHLHC13; MAD3; MYX

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC200747).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_031300

ORF Size: 618 bp





MAD3 (MXD3) (NM_031300) Human Tagged Lenti ORF Clone - RC200747L3

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 031300.2</u>

 RefSeq Size:
 1483 bp

 RefSeq ORF:
 621 bp

 Locus ID:
 83463

 UniProt ID:
 Q9BW11

Domains: HLH

Cytogenetics:

Protein Families: Druggable Genome, Transcription Factors

5q35.3

MW: 23.5 kDa

Gene Summary: This gene encodes a member of the Myc superfamily of basic helix-loop-helix leucine zipper

transcriptional regulators. The encoded protein forms a heterodimer with the cofactor MAX which binds specific E-box DNA motifs in the promoters of target genes and regulates their transcription. Disruption of the MAX-MXD3 complex is associated with uncontrolled cell proliferation and tumorigenesis. Transcript variants of this gene encoding different isoforms

have been described.[provided by RefSeq, Dec 2008]