

Recombinant Human MXD4 cell lysate

Cat. No. MXD4-1157HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	MXD4 MAX dimerization protein 4 [Homo sapiens]
Official Symbol	MXD4
Synonyms	MXD4; MAX dimerization protein 4; max dimerization protein 4; bHLHc12; MAD4; MST149; MSTP149; Mad4 homolog; max dimerizer 4; max-associated protein 4;

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	class C basic helix-loop-helix protein 12; max-interacting transcriptional repressor MAD4;
Gene ID	10608
mRNA Refseq	NM_006454
Protein Refseq	NP_006445
UniProt ID	Q14582
Chromosome Location	4p16.3
Pathway	Validated targets of C-MYC transcriptional repression, organism-specific biosystem;
Function	DNA binding; transcription corepressor activity;

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