

Recombinant Human MXD1, FLAG-tagged

Cat. No. MXD1-28856TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Mad with Flag tag, amino acids 1-221, MW = 26 kDa,
Species	Human
Source	E.coli
ProteinLength	1-221 a.a.
Description	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.
Conjugation	FLAG
Form	Liquid
Purity	Immunogen affinity purified
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Contains 1 basic helix-loop-helix (bHLH) domain.
Full Length	Full L.
GENE INFORMATION	
Gene Name	MXD1 MAX dimerization protein 1 [Homo sapiens]
Official Symbol	MXD1
Synonyms	MXD1; MAX dimerization protein 1; MAD; max dimerization protein 1; bHLHc58; MAD1;
Gene ID	4084
mRNA Refseq	NM_001202513
Protein Refseq	NP_001189442
MIM	600021
Uniprot ID	Q05195
Chromosome Location	2p13-p12
Pathway	Regulation of Telomerase, organism-specific biosystem; Signaling events mediated by HDAC Class I, organism-specific biosystem;

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Function

DNA binding; sequence-specific DNA binding transcription factor activity; transcription cofactor activity; transcription corepressor activity;

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