

Recombinant Human MXD3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MXD3-1631H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MXD3 MS Standard C13 and N15-labeled recombinant protein (NP_112590) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	23.5 kDa
AA Sequence	MEPLASNIQVLLQAAEFLERREREAEHGYASLCPHRSPGPIHRRKKRPPQAPGAQD SGRSVHNELEKRRRAQLKRCLERLKKQMPLGADCARYTTLSLLRRARMHIQKLEDQ EQRARQLKERLRKQQLRQLEQLRGLAGAAERERLRADSLDSSGLSSERSDSD QEELEVDVESLVFGGEAELLRGFVAGQEHSYSHGGGAWLTRTRPLEQKLISEEDLA ANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

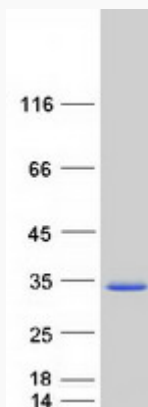
GENE INFORMATION

Gene Name	MXD3 MAX dimerization protein 3 [Homo sapiens (human)]
Official Symbol	MXD3
Synonyms	MXD3; MAX dimerization protein 3; MYX; MAD3; BHLHC13; max dimerization protein 3; Max-associated protein 3; Max-interacting transcriptional repressor MAD3; class C basic helix-loop-helix protein 13; max dimerizer 3
Gene ID	83463
mRNA Refseq	NM_031300
Protein Refseq	NP_112590
MIM	609450
UniProt ID	Q9BW11

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SDS-PAGE

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