

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

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

## SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

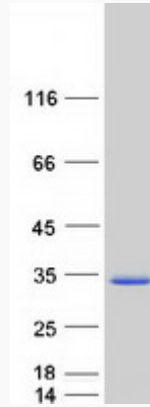
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MXD3 MAX dimerization protein 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	MXD3
<b>Synonyms</b>	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
<b>Gene ID</b>	83463
<b>mRNA Refseq</b>	NM_031300
<b>Protein Refseq</b>	NP_112590
<b>MIM</b>	609450
<b>UniProt ID</b>	Q9BW11

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**SDS-PAGE**



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