

**MXD3, 1-206aa Human, His tag, E.coli**

**Cat.NO.: TP03057**

3th Edition

**Synonyms:**Max dimerization protein 3, BHLHC13, MAD3, MYX

**Description:**MXD3 is a member of the Myc superfamily of basic helix-loop-helix leucine zipper transcriptional regulators. The 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. Recombinant human MXD3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**25.9 kDa (229aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMELASNIQVLLQAAEFLERREREAHEHGYASLCPHRSPGPIHRRKKRPPQA  
PGAQDSGRSVHNELEKRRRAQLKRCLERLKQQMPLGADCARYTTLSLLRRARMHIQKLEDQEQRARQLKERLRS  
KQQLRQLRGLRGLAGAAERERLRADSLDSSGLSSERSDSDQEELEVDVESLVFGGEAELLRGFVAGQEHSYSH  
GGGAWL

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.