

## 32-4250: Recombinant Human MAX Dimerization Protein 3

**Alternative Name :** BHLHC13,MAD3,MYX,Max dimerization protein 3,Max dimerizer 3,Class C basic helix-loop-helix protein 13,bHLHc13,Max-associated protein 3,Max-interacting transcriptional repressor MAD3,MXD3 Human,MXD3.

### Description

Source : Escherichia Coli. MXD3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 229 amino acids (1-206) and having a molecular mass of 25.9 kDa. MXD3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. MAX Dimerization Protein 3 (MXD3) belongs to the Myc superfamily of basic helix-loop-helix leucine zipper transcriptional regulators. MXD3 forms a heterodimer with the cofactor MAX that connects specific E-box DNA motifs in the promoters of target genes and regulates their transcription. Disturbance of the MAX-MXD3 complex is correlated with uncontrolled cell proliferation and tumorigenesis. Transcript variants of MXD3 encoding different isoforms have been described.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The MXD3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMEPLASN IQVLLQAAEF LERREREAH GYASLCPHRS PGPIHRRKKR PPQAPGAQDS GRSVHNELEK RRRRAQLKRCL ERLKQQMPLG ADCARYTTLS LLRRARMHIQ KLEDQEQRAR QLKERLRKQ QSLQRQLEQL RGLAGAAERE RLRADSLDSS GLSSERSDSD QEELEVDVES LVFGGEAELL RGFVAGQEHS YSHGGGAWL.

