9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MXD3 Human

MAX Dimerization Protein 3 Human Recombinant
RCP1422

Product Overview

Name	MXD3 Human
Description	
MAX Dimerization Protein 3 Human Recombinant	
Accession (Primary)	Q9BW11
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The MXD3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MEPLASN IQVLLQAAEF LERREREAEH GYASLCPHRS PGPIHRRKKR PPQAPGAQDS GRSVHNELEK RRRAQLKRCL ERLKQQMPLG ADCARYTTLS LLRRARMHIQ KLEDQEQRAR QLKERLRSKQ QSLQRQLEQL RGLAGAAERE RLRADSLDSS GLSSERSDSD QEELEVDVES LVFGGEAELL	

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RGFVAGQEHS YSHGGGAWL.

Precautions

MXD3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BW11)