Recombinant human MXD3 protein

Catalog Number: ATGP1957

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-206aa

UniProt No.
Q9BW11

NCBI Accession No.
NP_112590

Alternative Names
Max dimerization protein 3, BHLHC13, MAD3, MYX

PRODUCT SPECIFICATION

Molecular Weight
25.9 kDa (229aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

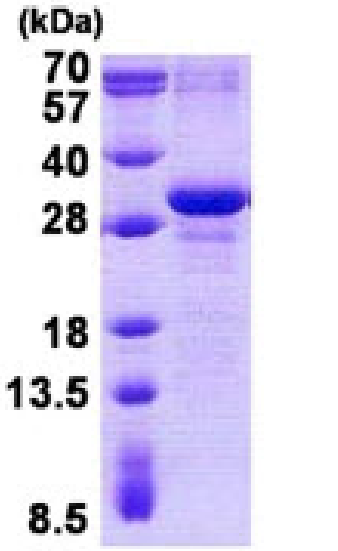
MGSSHHHHHH SSGLVPRGSH MGSMEPLASN IQVLLQAAEF LERREREAEH GYASLCPHRS PGPIHRRKKR PPQAPGAQDS GRSVHNELEK RRRAQLKRCL ERLKQQMPLG ADCARYTTLS LLRRARMHIQ KLEDQEQRAR QLKERLRSKQ QSLQRQLEQL RGLAGAAERE RLRADSLDSS GLSSERSDSD QEELEVDVES LVFGGEAELL RGFVAGQEHS YSHGGGAWL

General References

Yun JS, Rust JM, et al. (2007). Mol Cell Biol. 27(23):8178-89.
Barisone GA, Yun JS, et al. (2008). Cell Cycle. 7(4):423-7.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.