

# Recombinant human Max protein

Catalog Number: ATGP0539

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-160aa

### UniProt No.

P61244

### NCBI Accession No.

NP\_002373.3

### Alternative Names

Protein max, Myc-associated factor X, Class D basic helix-loop-helix protein 4, bHLHd4, BHLHD4, bHLHd5, bHLHd6, bHLHd7, bHLHd8

## PRODUCT SPECIFICATION

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### Molecular Weight

19.3 kDa (168aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### 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

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### Description

MAX is a member of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. It is able to form homodimers and heterodimers with other family members, which include Mad, Mxi1 and Myc. Myc is an oncoprotein implicated in cell proliferation, differentiation and apoptosis. In contrast to Myc, which is highly regulated during progression through the cell cycle, Max is highly stable and is much more abundant than Myc. Recombinant human MAX protein, fused to His-tag at C-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

## Amino acid Sequence

MSDNDIEVE SDEEQPRFQS AADKRAHNA LERKRRDHK DSFHSLRDSV PSLQGEKASR AQILDKATEY IQYMRRKNHT  
HQQDIDDLKR QNALLEQQVR ALEKARSSAQ LQTNYPSSDN SLYTNAKGST ISAFDGGSDS SSESEPEEPQ SRKKLRMEAS  
<LEHHHHHH>

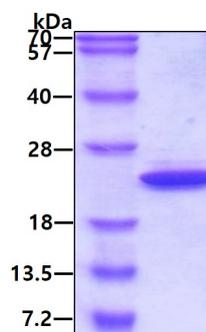
## General References

Burbano HA., et al. (2010) Science. 328(5979):723-5.

## DATA

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### SDS-PAGE



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