Recombinant human Max protein

Catalog Number: ATGP0539

PRODUCT INFORMATION

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

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

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

conventional chromatography techniques.

Amino acid Sequence

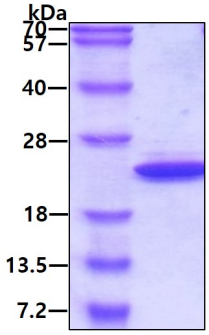
MSDNDDIEVE SDEEQPRFQS AADKRAHHNA LERKRRDHIK DSFHSLRDSV PSLQGEKASR AQILDKATEY IQYMRRKNHT HQQDIDDLKR QNALLEQQVR ALEKARSSAQ LQTNYPSSDN SLYTNAKGST ISAFDGGSDS SSESEPEEPQ SRKKLRMEAS <LEHHHHHH>

General References

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

DATA

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