

Recombinant Human MYC Associated Factor X, His-tagged

Cat. No. MAX-2365H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MAX protein, fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 19.3 kDa (168aa).
Species	Human
Source	E.coli
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.
Form	In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol.
Purity	> 90% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MSDNDDIEVE SDEEQPRFQS AADKRAHHNA LERKRRDHIK DSFHSLRDSV PS LQG EKASR AQILDKATEY IQYMRRKNHT HQQDIDDLKR QNALLEQQVR ALE KARSSAQ LQTNYPSSDN SLYTNAKGST ISAFDGGSDS SSESEPEEPQ SRK KLR MEAS LEHHHHHH.

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

MAX MYC associated factor X [Homo sapiens]

Synonyms

MYC associated factor X; orf1; bHLHd4; bHLHd5; bHLHd6; bHLHd7; bHLHd8; MGC10775; MGC11225; MGC18164; MGC34679; MGC36767; MAX; protein max; myc-associated factor X; helix-loop-helix zipper protein; class D basic helix-loop-helix protein 4; MAX protein; Myc-associated factor X

Gene ID

4149

mRNA Refseq

NM_002382

Protein Refseq

NP_002373

MIM

154950

UniProt ID

P61244

**Chromosome
Location**

14q23

Pathway

MAPK signaling pathway; Pathways in cancer; Small cell lung cancer

Function

protein binding; protein heterodimerization activity; sequence-specific DNA binding; transcription coactivator activity; transcription cofactor activity; transcription factor activity

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