

Recombinant Human MAX, His-tagged

Cat. No. MAX-28862TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MAX protein fused to a 6X His tag at the C terminus, Amino acids 1-160, molecular weight: 19 kDa;
Species	Human
Source	E.coli
ProteinLength	1-160 a.a.
Description	The protein encoded by this gene 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. The homodimers and heterodimers compete for a common DNA target site (the E box) and rearrangement among these dimer forms provides a complex system of transcriptional regulation. Multiple alternatively spliced transcript variants have been described for this gene but the full-length nature for some of them is unknown.
Conjugation	HIS
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MSDND DIEVE SDEEQPRFQS AADKRAHHNA LERKRRDHIK DSFHSLRDSV PSLQGEKASRAQILDKATEY IQYMRRKNHT HQQDIDDLKR QNALLEQQVR ALEKARSSAQ LQTNYPSSDNSLYTNAKGST ISAFDGGSDS SSESEPEEPQ SRKKLRMEAS LEHHHHHH
Full Length	Full L.
GENE INFORMATION	
Gene Name	MAX MYC associated factor X [Homo sapiens]
Official Symbol	MAX
Synonyms	MAX; MYC associated factor X; MAX protein; protein max; bHLHd4; bHLHd5; bHLHd6; bHLHd7; bHLHd8;
Gene ID	4149
mRNA Refseq	NM_002382
Protein Refseq	NP_002373
MIM	154950
Uniprot ID	P61244
Chromosome Location	14q23

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Pathway

C-MYC pathway, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cyclin A:Cdk2-associated events at S phase entry, organism-specific biosystem; Cyclin E associated events during G1/S transition, organism-specific biosystem; G1/S Transition, organism-specific biosystem;

Function

protein binding; protein complex binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding;

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