

Recombinant Human MAX protein, His-tagged

Cat. No. MAX-171H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAX fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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. Mutations of this gene have been reported to be associated with hereditary pheochromocytoma. A pseudogene of this gene is located on the long arm of chromosome 7. Alternative splicing results in multiple transcript variants.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	18.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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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; helix-loop-helix zipper protein; class D basic helix-loop-helix protein 4; orf1; MGC10775; MGC11225; MGC18164; MGC34679; MGC36767;
Gene ID	4149
mRNA Refseq	NM_002382
Protein Refseq	NP_002373
MIM	154950
UniProt ID	P61244
Chromosome Location	14q23
Pathway	C-MYC pathway, organism-specific biosystem; Cell Cycle, 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; MAPK signaling pathway, organism-specific biosystem;
Function	protein binding; protein complex binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription coactivator activity; transcription cofactor activity;

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