

Recombinant Human MAX protein, GST-tagged

Cat. No. MAX-176H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAX(1 a.a. - 151 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-151 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. 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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	42.35 kDa
AA Sequence	MSDNDDIEVESDADKRAHHNALERKRRDHIKDSFHSLRDSVPSLQGEKASRAQILDK ATEYIQYMRRKNHHTHQQD IDDLKRQNALLEQQVRALEKARSSAQLQTNYPSSDNSL

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YTNAKGSTISAFDGGSDSSSESEPEEPQSRKKLRMEA S

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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; 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

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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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