

Recombinant Full Length Human MXI1 Protein, GST-tagged

Cat. No. MXI1-581HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MXI1(1 a.a. - 228 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	228 amino acids
Description	<p>Expression of the c-myc gene, which produces an oncogenic transcription factor, is tightly regulated in normal cells but is frequently deregulated in human cancers. The protein encoded by this gene is a transcriptional repressor thought to negatively regulate MYC function, and is therefore a potential tumor suppressor. This protein inhibits the transcriptional activity of MYC by competing for MAX, another basic helix-loop-helix protein that binds to MYC and is required for its function. Defects in this gene are frequently found in patients with prostate tumors. Three alternatively spliced transcripts encoding different isoforms have been described. Additional alternatively spliced transcripts may exist but the products of these transcripts have not been verified experimentally.</p>
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	52.5 kDa
AA Sequence	MERVKMINVQ RLLEAAEFLE RRERECEHGY ASSFPSMPSP RLQHSKPPRR

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LSRAQKHSSG SSNTSTANRS THNELEKNRR AHLRLCLERL KVLIPLGDC
 TRHTTLGLLN KAKAHIKLE EAERKSQHQE ENLEREQRFL KWRLEQLQGP
 QEMERIRMDS IGSTISSDRS DSEREEIEVD VESTEFSHGE VDNISTTSSIS
 DIDDHSSLPS IGSDEGYSSA SVKLSFTS

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

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

GENE INFORMATION

Gene Name [MXI1 MAX interactor 1 \[Homo sapiens \]](#)

Official Symbol [MXI1](#)

Synonyms MXI1; MAX interactor 1; MAX interacting protein 1; max-interacting protein 1;
 bHLHc11; MAD2; MXD2; MXI; MAX dimerization protein 2; Max-related transcription
 factor; class C basic helix-loop-helix protein 11; MGC43220

Gene ID [4601](#)

mRNA Refseq [NM_005962](#)

Protein Refseq [NP_005953](#)

MIM [600020](#)

UniProt ID [P50539](#)

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