

# Recombinant Full Length Human MXI1 Protein, GST-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant full length Human MXI1(1 a.a. - 228 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 228 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 52.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MERVKMINVQ RLLEAAEFLE RRERECEHGY ASSFPSMPSP RLQHSKPPRR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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LSRAQKHSSG SSNTSTANRS THNELEKNRR AHLRLCLERL KVLIPLGPD  
 TRHTTLGLLN KAKAHIKKLE EAERKSQHQLE ENLEREQRFL KWRLEQLQGP  
 QEMERIRMDS IGSTISSDRS DSEREEIEVD VESTEFHGE VDNISTTSIS  
 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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