

## Recombinant Human MXI1 protein, GST-tagged

Cat. No. MXI1-14H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MXI1(73 a.a. - 182 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	73-182 a.a.
<b>Description</b>	<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>
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	37.84 kDa
<b>AA Sequence</b>	LEEAERKSQHQLENLEREQRFLKWRLEQLQGPQEMERIRMDSIGSTISSDRSDSER

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EEIEVDVESTEFSSHGEVDN ISTTSISDIDDHSSLPSIGSDEGYSSASVKLSFTS

**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**

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\_001008541

**Protein Refseq**

NP\_001008541

**MIM**


600020

**UniProt ID**

P50539

**Chromosome  
Location**

10q24-q25

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**Function**

DNA binding; transcription corepressor activity;

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