

Recombinant Human MXI1 protein, GST-tagged

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

SPECIFICATION

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

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

 Email: 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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