Recombinant Human MXI1 Protein, GST-His-tagged

Cat. No. MXI1-746H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MXI1, transcript variant 3, fused with N-terminal GST and C-terminal His was expressed in E. coli.
Species	Human
Source	E.coli
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	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	48.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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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

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