

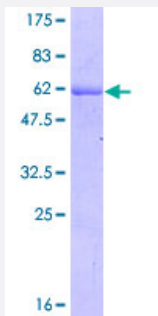
Full-Length

MXI1 (Human) Recombinant Protein (P02)

Catalog # H00004601-P02

Size 25 ug, 10 ug

Applications



Specification

| | |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Human MXI1 full-length ORF (NP_005953.4, 1 a.a. - 228 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | MERVKMINVQRLLEAAEFLERRERECEHGYASSFSPMPSPRLQHSKPPRRLSRAQKHSSGSSNT STANRSTHNELEKNRRAHLRLCLERLKVLIPLGPDCTRHTTLGLLNKAKAHIKKLEEAERKSQHQL ENLEREQRFLKWRLEQLQGPQEMERIRMDSIGSTISSDRSDSEREEIEVDVESTEFSHGEVDNIST TSISDIDDHSSLPSIGSDEGYSSASVKLSFTS |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 52.5 |
| Interspecies Antigen Sequence | Mouse (92); Rat (99) |
| Preparation Method | in vitro wheat germ expression system |
| Purification | Glutathione Sepharose 4 Fast Flow |
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |

Note

Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — MXI1

Entrez GeneID [4601](#)

GeneBank Accession# [NM_005962.4](#)

Protein Accession# [NP_005953.4](#)

Gene Name MXI1

Gene Alias MAD2, MGC43220, MXD2, MXI, bHLHc11

Gene Description MAX interactor 1

Omim ID [176807 600020](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

MAX dimerization protein 2|MAX interacting protein 1|MAX-interacting protein 1|Max-related transcription factor|OTTHUMP00000020467|OTTHUMP00000020468|OTTHUMP00000020469

Publication Reference

- [Arginine methyltransferase PRMT5 methylates and destabilizes Mxi1 to confer radioresistance in non-small cell lung cancer.](#)

Xijie Yang, Zhen Zeng, Xiaohua Jie, Ye Wang, Jun Han, Zhikun Zheng, Jinsong Li, Hongli Liu, Xiaorong Dong, Gang Wu, Shuangbing Xu.

Cancer Letters 2022 Apr; 532:215594.

Application: Pull-Down, Recombinant proteins

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)