

Recombinant Human MXD3 Protein, GST-tagged

Cat. No. MXD3-5775H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Human MXD3 full-length ORF (NP_112590.1, 1 a.a. - 206 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | Wheat Germ |
| Description | This gene encodes a member of the Myc superfamily of basic helix-loop-helix leucine zipper transcriptional regulators. The encoded protein forms a heterodimer with the cofactor MAX which binds specific E-box DNA motifs in the promoters of target genes and regulates their transcription. Disruption of the MAX-MXD3 complex is associated with uncontrolled cell proliferation and tumorigenesis. Transcript variants of this gene encoding different isoforms have been described.[provided by RefSeq |
| Molecular Mass | 49.9 kDa |
| AA Sequence | MEPLASNIQVLLQAAEFLERREREAEHGYASLCPHRSPGPIHRRKKRPPQAPGAQD SGRSVHNELEKRRRAQLKRCLERLQQMPLGADCARYTTLSLLRRARMHIQKLEDQ EQRARQLKERLRSKQQLRQLEQLRGLAGAAERERLRADSLDSSGLSSERSDSD QEELEVDVESLVFGGEAELLRQFVAGQEHSYSHGGGAWL |
| Applications | Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array |

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

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| 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. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | MXD3 MAX dimerization protein 3 [Homo sapiens] |
| Official Symbol | MXD3 |
| Synonyms | MYX; MAD3; BHLHC13 |
| Gene ID | 83463 |
| mRNA Refseq | NM_031300 |
| Protein Refseq | NP_112590 |
| MIM | 609450 |
| UniProt ID | Q9BW11 |

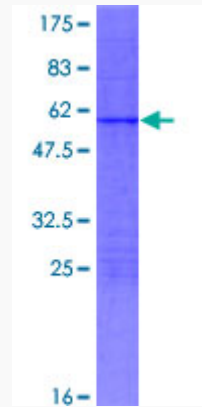
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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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