

## Recombinant Human MXD4 Protein, His-tagged

Cat. No. MXD4-569H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Product Overview | Recombinant Human MXD4 fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                             |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Description      | <p>This gene is a member of the MAD gene family . The MAD genes encode basic helix-loop-helix-leucine zipper proteins that heterodimerize with MAX protein, forming a transcriptional repression complex. The MAD proteins compete for MAX binding with MYC, which heterodimerizes with MAX forming a transcriptional activation complex. Studies in rodents suggest that the MAD genes are tumor suppressors and contribute to the regulation of cell growth in differentiating tissues.</p> |
| Form             | 25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                    |
| Molecular Mass   | 23.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### GENE INFORMATION

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|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MXD4 MAX dimerization protein 4 [ Homo sapiens ]                                                                                                                                                                                                  |
| <b>Official Symbol</b> | MXD4                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | MXD4; MAX dimerization protein 4; max dimerization protein 4; bHLHc12; MAD4; MST149; MSTP149; Mad4 homolog; max dimerizer 4; max-associated protein 4; class C basic helix-loop-helix protein 12; max-interacting transcriptional repressor MAD4; |
| <b>Gene ID</b>         | 10608                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_006454                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_006445                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | Q14582                                                                                                                                                                                                                                            |

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