



# Recombinant Human Max dimerization protein 4 (MXD4)

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|--------------------------|--|
| <b>Product Code</b>      | CSB-YP015253HU   |
| <b>Abbreviation</b>      | MXD4   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q14582   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | MELNSLLILL EAAEYLERRD REAEHGYASV LPFDGDFARE KTKAAGLVRK<br>APNNRSSHNE LEKHRRAKLR LYLEQLKQLV PLGPDSTRHT TLSLLKRAKV<br>HIKLEEQDR RALSIKEQLQ QEHRFLKRRL EQLSVQSVER VRTDSTGSAV<br>STDDSEQEVD IEGMEFGPGE LDSVGSSSDA DDHYSLQSGT<br>GGDSGFGPHC RRLGRPALS   |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | MXD4   |
| <b>Protein Names</b>     | Recommended name: Max dimerization protein 4 Short name= Max dimerizer 4<br>Alternative name(s): Class C basic helix-loop-helix protein 12 Short name=<br>bHLHc12 Max-associated protein 4 Max-interacting transcriptional repressor MA  |
| <b>Expression Region</b> | 1-209  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final   |



concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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