

## Recombinant Mouse Max Protein, Myc/DDK-tagged

**Cat. No.** Max-3975M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length Max protein (Max), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Transcription regulator. Forms a sequence-specific DNA-binding protein complex with MYC or MAD which recognizes the core sequence 5'-CAC[GA]TG-3'. The MYC:MAX complex is a transcriptional activator, whereas the MAD:MAX complex is a repressor. CpG methylation of the recognition site greatly inhibits DNA binding, suggesting that DNA methylation may regulate the MYC:MAX complex in vivo. May repress transcription via the recruitment of a chromatin remodeling complex containing H3 'Lys-9' histone methyltransferase activity. Represses MYC transcriptional activity from E-box elements.
<b>Molecular Mass</b>	18.2 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Max Max protein [ Mus musculus (house mouse) ]

**Official Symbol** Max

**Synonyms** MAX; Max protein; protein max; protein myn; myc-associated factor X; myc-binding novel HLH/LZ protein; bHLHd4; bHLHd5; bHLHd6; bHLHd7; bHLHd8; AA960152; AI875693

**Gene ID** 17187

**mRNA Refseq** NM\_008558

**Protein Refseq** NP\_032584

**UniProt ID** B2RS19

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