

Recombinant Mouse Max Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Max protein (Max), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	18.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	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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