



Recombinant Human Max dimerization protein 4 (MXD4)

Product Code	CSB-MP015253HU
Abbreviation	MXD4
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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.
Uniprot No.	Q14582
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MELNSLLILL EAAEYLERRD REAEHGYASV LPFDGDFARE KTKAAGLVRK APNNRSSHNE LEKHRRAKLR LYLEQLKQLV PLGPDSTRHT TLSLLKRAKV HIKKLEEQDR RALSIKEQLQ QEHRFLKRRL EQLSVQSVER VRTDSTGSAV STDDSEQEVD IEGMEFGPGE LDSVGSSSDA DDHYSLQSGT GGDSGFGPHC RRLGRPALS
Source	Mammalian cell
Target Names	MXD4
Protein Names	Recommended name: Max dimerization protein 4 Short name= Max dimerizer 4 Alternative name(s): Class C basic helix-loop-helix protein 12 Short name= bHLHc12 Max-associated protein 4 Max-interacting transcriptional repressor MA
Expression Region	1-209
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	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

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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.