



Recombinant Human Max-binding protein MNT (MNT)

Product Code	CSB-EP857452HU
Abbreviation	MNT
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.	Q99583
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SIETLLEAA RFLEWQAQQQ QRAREEQERL RLEQEREQEQ KKANSLARLA HTLPVEEPRM EAPPLPLSPP APPPAPPPL ATPAPLTVIP IPVVTNSPQP LPPPPPLPAA AQLPLAPRQ PALVGAPGLS IKEPAPLPSR PQVPTPAPLL PDSKATIPP N GSPKPLQPLP TPVLTIAHP GVQPQLAPQQ PPPPTLGTLK LAPAEVKSS EQKKRPGGIG TREVHNKLEK NRR AHLKECF ETLKR NIPNV DDK KTSNLSV LRTALRYIQS LKRKEKEYEH EMERLAREKI ATQQR LAELK HEL SQWMDVL EIDRVLRQTG QPEDDQASTS TASEGEDNID EDMEEDRAGL GPPKLSHRPQ PELLKSTLPP PSTTPAPLPP HPHPHPSVA LPPAHLPVQQ QQPQQKTPLP APPPPAAPA QTLVPAPAH L VATAGGGSTV IAHTATTHAS VIQTVNHVLQ GPGGKHIAHI APSAPPAVQ LAPATPIGH ITVHPATLNH VAHLGSQLPL YPQPVAVSHI AHTLSHQQVN GTAGLGPPAT VMAKPAVGAQ VVHHPQLVGQ TVLNPVTMVT MPSFPVSTLK LA
Source	E.coli
Target Names	MNT
Protein Names	Recommended name: Max-binding protein MNT Alternative name(s): Class D basic helix-loop-helix protein 3 Short name= bHLHd3 Myc antagonist MNT Protein ROX
Expression Region	2-582
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 of Mature Protein
Target Details	The Myc/Max/Mad network comprises a group of transcription factors that co-interact to regulate gene-specific transcriptional activation or repression. This gene encodes a protein member of the Myc/Max/Mad network. This protein has a basic-Helix-Loop-Helix-zipper domain (bHLHzip) with which it binds the canonical DNA sequence CANNTG, known as the E box, following



heterodimerization with Max proteins. This protein is likely a transcriptional repressor and an antagonist of Myc-dependent transcriptional activation and cell growth. This protein represses transcription by binding to DNA binding proteins at its N-terminal Sin3-interaction domain.

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.