



# Recombinant Human Max-binding protein MNT (MNT)

<b>Product Code</b>	CSB-EP857452HU
<b>Abbreviation</b>	MNT
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q99583
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SIETLLEAA RFLEWQAQQQ QRAREEQERL RLEQEREQEQ KKANSLARLA HTLPVEEPRM EAPPLPLSPP APPPAPPPL ATPAPLTVIP IPVVTNSPQP LPPPPPLPAA AQLPLAPRQ PALVGAPGLS IKEPAPLPSR PQVPTPAPLL PDSKATIPP N GSPKPLQPLP TPVLTIAHPH GVQPQLAPQQ PPPPTLGTLK LAPAEVKSS EQKKRPGGIG TREVHNKLEK NRR AHLKECF ETLKRNIPNV DDK KTSNLSV LRTALRYIQS LKRKEKEYEH EMERLAREKI ATQQRLAELK HELSQWMDVL EIDRVLRQTG QPEDDQASTS TASEGEDNID EDMEEDRAGL GPPKLSHRPQ PELLKSTLPP PSTTPAPLPP HPHPHPSVA LPPAHLPVQQ QQPQQKTPLP APPPPPAAPA QTLVPAPAH L VATAGGGSTV IAHTATTHAS VIQTVNHVLQ GPGGKHIAHI APSAPSPAVQ LAPATPPIGH ITVHPATLNH VAHLGSQLPL YPQPVAVSHI AHTLSHQQVN GTAGLGPPAT VMAKPAVGAQ VVHHPQLVGQ TVLNPVTMVT MPSFPVSTLK LA
<b>Source</b>	E.coli
<b>Target Names</b>	MNT
<b>Protein Names</b>	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
<b>Expression Region</b>	2-582
<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 of Mature Protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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