



# Recombinant Mouse Max-binding protein MNT (Mnt)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-EP014691MO  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O08789  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | SIETLLEAA RFLEWQAQQQ QRAREEQERL RLEREREREQ EQKRASNLAR<br>LAHALPVEEP RIEAPPLPLS PPAPPPAPP PLATPAPLTV IPIPVVTNSP<br>QSLPPPPPLP PAAQPLPLAP RQPALVSTPG LSIKEPVTLP TRPQVPTPAP<br>LLPDAKTTVA PTGSPKPLQP LPAPILTIAP HPGVQPQLAP QQPPPPTLGT<br>LKLAPAEAAK SSEQKKRPGG IGTREVHNKL EKNRRAHLKE CFETLKRNI<br>NVDDKTSNL SVLRTALRYI QSLKRKEKEY EHEMERLARE KIATQQRLAE<br>LKHELQWMD VLEIDRVLRQ TGQPEDDQAS TSTASEGEDN VDEEMEGDRA<br>GLGPPKLNHR PQPELLKSAL PTPSTAPAPL PTHPHPHPHP VALSPAHLPV<br>QQQQPPQKT PLPAPPPPPA TPTQTLVPAP AHLVATAGGG STVIAHTATT<br>HASVIQTVNH VLQGGGKHI AHIAPSAPSP AVQLAPATPP IGHITVHPAT<br>LNHVAHLGSQ LPLYQPVAV SQPVAVSHIA HTLSHQVNG TAGLGPPATV<br>MAKPAVGAQV VHHPQLVGQT VLNPVTMTM PSFPVSTLKL A |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | Mnt   |
| <b>Protein Names</b>     | Recommended name: Max-binding protein MNT Alternative name(s): Myc antagonist MNT Protein ROX   |
| <b>Expression Region</b> | 2-591   |
| <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.                          |
| <b>Reconstitution</b>    | 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.