

Recombinant Human MNT Protein, GST-tagged

Cat. No. MNT-5449H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MNT full-length ORF (BAF84285.1, 1 a.a. - 582 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. [provided by RefSeq]
Molecular Mass	88.7 kDa
AA Sequence	MSIETLLEAARFLEWQAQQQQRAREEQERLRLEQEREQEQKKANSLARLAHTLPVE EPRMEAPPLPLSPPAPPPAPPPPLATPAPLTVIPIPVVTNSPQPLPPPPPLPAAAQPL PLAPRQPALVGAPGLSIKEPAPLPSRPQVPTPAPLLPDSKATIPPNGSPKPLQPLPTP VLTIAHPHGVQPQLAPQQPPPPTLGTCLKLAPAEVKSSEQKKRPGGIGTREVHNKLE KNRRAHLKECFETLKRNI PNVDKKT SNLSVLRTALRYIQSLKRKEKEYEHMERLA

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REKIATQQRLAELKHELSQLWMDVLEIDRVLRQTGQPEDDQASTSTASEGEDNIDED
 MEEDRAGLGPPKLSHRPQPELLKSTLPPPSTTPAPLPPHPHPHPHSVALPPAHLPV
 QQQQPQKKTPLPAPPPPPAAPAQTLVPAPAHLVATAGGGSTVIAHTATTHASVIQTV
 NHVLQGGPGGKHIAHIAPSAPSPAVQLAPATPPIGHITVHPATLNHVAHLGSQLPLYPQ
 PVAVSHIAHTLSHQVNGTAGLGPPATVMAKPAVGAQVVHHPQLVGQTVLNPVTM
 VTMPSPFPVSTLKLA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

MNT MAX binding protein [Homo sapiens]

Official Symbol

MNT

Synonyms

MNT; MAX binding protein; max-binding protein MNT; bHLHd3; MAD6; Max interacting protein; MXD6; myc antagonist; ROX; myc antagonist MNT; Max-interacting protein; class D basic helix-loop-helix protein 3;

Gene ID

4335

mRNA Refseq

NM_020310

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Protein Refseq	NP_064706
MIM	603039
UniProt ID	Q99583

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