

Recombinant Full Length Human MNT Protein, GST-tagged

Cat. No. MNT-6288HF 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	In Vitro Cell Free System
ProteinLength	582 amino acids
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	MSIETLLEAARFLEWQAQQQQRAREEQERLRLEQEREQEQQKANSRLARLAHTLPVE EPRMEAPPLPLSPPAPPPAPPPPLATPAPLTVIPIPVVTNSPQPLPPPPPLPAAAQPL PLAPRQPALVGAPGLSIKEPAPLPSRPQVPTPAPLLPDSKATIPPNGSPKPLQPLPTP VLTIAHPGVQPQLAPQQPPPPTLGLTKLAPAEVKSSEQKKRPGGIGTREVHNKLE

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KNRRAHLKECFETLKRNIPNVDDKKTSNLSVLRTALRYIQSLKRKEKEYEHMERLA
 REKIATQQRLAELKHELSQLWMDVLEIDRVLRQTGGPEDDQASTSTASEGEDNIDED
 MEEDRAGLGPPKLSHRPQPELLKSTLPPPSTTPAPLPPHPHPHPHSVALPPAHLPV
 QQQQPQQKTPLPAPPPPPAAPAQTLVPAPAHLVATAGGGSTVIAHTATTHASVIQTV
 NHVLQGGPGGKHIAHIAPSAPSPAVQLAPATPPIGHITVHPATLNHVAHLGSQLPLYPQ
 PVAVSHIAHTLSHQVNGTAGLGPPATVMAKPAVGAQVVHHPQLVGGQTVLNPVTM
 VTMPSPVSTLKLA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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Notes	Best use within three months from the date of receipt of this protein.
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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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GENE INFORMATION

Gene Name	MNT MAX binding protein [Homo sapiens]
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Official Symbol	MNT
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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;
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Gene ID	4335
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mRNA Refseq	NM_020310
Protein Refseq	NP_064706
MIM	603039
UniProt ID	Q99583

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