

Recombinant Human MEN1

Cat. No. MEN1-30096TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Menin with N terminal proprietary tag; Predicted MWt 89.25 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	575 amino acids
Description	This gene encodes menin, a putative tumor suppressor associated with a syndrome known as multiple endocrine neoplasia type 1. In vitro studies have shown menin is localized to the nucleus, possesses two functional nuclear localization signals, and inhibits transcriptional activation by JunD, however, the function of this protein is not known. Two messages have been detected on northern blots but the larger message has not been characterized. Alternative splicing results in multiple transcript variants.
Molecular Weight	89.250kDa
Tissue specificity	Ubiquitous.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGLKAAQKTLFPLRSIDDVRLFAAELGREEPDLVLLS LVLGFVEHFLAVNRVIPTNV PELTFQPSPAPDPPGGLTYF PVADLSIIAALYARFTAQIRGAVDLSLYPREGGVSSRE LV KKVSDVIWNSLSRSYFKDRAHIQSLFSFITGTKLDSSGVA FAVVGACQALGLRDV HLALSEDHAWSWLYLKGSYMRCDRK MEVAFMVCAINPSIDLHTDSLELLQLQKLL WLLYDLGHL ERYPMALGNLADLEELEPTPGRPDPLTYHKGIASAKTYR RDEHIYPY MYLAGYHCRNRNVREALQAWADTATVIQDYN CREDEEIYKEFFEYANDVIPNLLK EAASLLEAGEERPGEQ SQGTQSQGSALQDPECFHLLRFYDGICKWEEGSPTPVL H VGWATFLVQSLGRFEGQVRQKVRIVSREAEAAEAEPEWGE EAREGRRRGPRRE SKPEEPPPPKKPALDKGLGTGQGAVSG PPRKPPGTVAGTARGPEGGSTAQVPAPA ASPPPEGPVLTQ QSEKMKGMKELLVATKINSSAIKLQLTAQSQVQMKKQKVS TPSD YTLSFLKRQRKGL

GENE INFORMATION

Gene Name	MEN1 multiple endocrine neoplasia I [Homo sapiens]
Official Symbol	MEN1
Synonyms	MEN1; multiple endocrine neoplasia I;menin;
Gene ID	4221
mRNA Refseq	NM_000244
Protein Refseq	NP_000235
MIM	613733

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Uniprot ID	O00255
Chromosome Location	11q13
Pathway	Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem;
Function	DNA binding; R-SMAD binding; Y-form DNA binding; chromatin binding; double-stranded DNA binding;

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