

Recombinant Human MAP2

Cat. No. MAP2-28460TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MAP2 with N terminal proprietary tag; Predicted MWt 77.88 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	471 amino acids
Description	This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The products of similar genes in rat and mouse are neuron-specific cytoskeletal proteins that are enriched in dendrites, implicating a role in determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described.
Molecular Weight	77.880kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MADERKDEAKAPHWTSAPLTEASAHSHPEIKDQGGAGEG LVRSANGFPYREDEE GAFGEHGSQGTYSNTKENGINGELT SADRETAEEVSARIVQVVTAEAVAVLKGEQE KEAQHKDQT AALPLAAEETANLPPSPPPSPASEQTVTVEEAAGGESALA PSVFKQ AKDKVSDGVTKSPEKRSSLPRPSSILPPRRGVSG DRDENSFSLNSSISSSARRTTR SEPIRRAGKSGTSTPTTP GSTAITPGTPPSYSSRTPGTPGTPSYPRTPHTPGTPKSA I LVPSEKKVAIIRTPPKSPATPKQLRLINQPLPDLKNVSK IGSTDNIKYQPKGGQVQI VTKKIDLSHVTSKCGSLKNIRH RPGGGRVKIESVKLDFKEKAQAKVGSLDNAHHVPG GGNVK IDSQKLNFRHAKARVDHGAEITQSPGRSSVASPRRLSN VSSSGSINLLES PQLATLAEDVTAALAKQGL
Sequence Similarities	Contains 3 Tau/MAP repeats.

GENE INFORMATION

Gene Name	MAP2 microtubule-associated protein 2 [Homo sapiens]
Official Symbol	MAP2
Synonyms	MAP2; microtubule-associated protein 2; MAP2A; MAP2B; MAP2C;
Gene ID	4133
mRNA Refseq	NM_001039538
Protein Refseq	NP_001034627
MIM	157130

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Uniprot ID	P11137
Chromosome Location	2q34-q35
Pathway	LKB1 signaling events, organism-specific biosystem; MAPK Cascade, organism-specific biosystem;
Function	beta-dystroglycan binding; calmodulin binding; protein binding; structural molecule activity;

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