Recombinant Full Length Human MAP2 Protein

Cat. No. MAP2-293HF **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	In Vitro Cell Free System
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 dentrites, implicating a role in determining and stabilizing dentritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described.
Form	Liquid
Molecular Mass	77.880kDa inclusive of tags
AA Sequence	MADERKDEAKAPHWTSAPLTEASAHSHPPEIKDQGGAGEG LVRSANGFPYREDEE GAFGEHGSQGTYSNTKENGINGELT SADRETAEEVSARIVQVVTAEAVAVLKGEQE KEAQHKDQT AALPLAAEETANLPPSPPPSPASEQTVTVEEAAGGESALA PSVFKQ AKDKVSDGVTKSPEKRSSLPRPSSILPPRRGVSG DRDENSFSLNSSISSSARRTTR

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	SEPIRRAGKSGTSTPTTP GSTAITPGTPPSYSSRTPGTPGTPSYPRTPHTPGTPKSA I LVPSEKKVAIIRTPPKSPATPKQLRLINQPLPDLKNVKSK IGSTDNIKYQPKGGQVQI VTKKIDLSHVTSKCGSLKNIRH RPGGGRVKIESVKLDFKEKAQAKVGSLDNAHHVPG GGNVK IDSQKLNFREHAKARVDHGAEIITQSPGRSSVASPRRLSN VSSSGSINLLES PQLATLAEDVTAALAKQGL
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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
UniProt ID	P11137

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