

Recombinant Human MAP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAP2-3919H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAP2 MS Standard C13 and N15-labeled recombinant protein (NP_114033) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 Mass	49.5 kDa
AA Sequence	MADERKDEAKAPHWTSAPLTEASAHSHPPEIKDQGGAGEGLVRSANGFPYREDEE GAFGEHGSQGTYSNTKENGINGELTSADRETAEVVSARIVQVVTAEAVAVLKGEQE KEAQHKDQTAALPLAEETANLPPSPPPSPASEQTVTVEEAAGGESALAPSVFKQAK DKVSDGVTKSPEKRSSLPRPSSILPPRRGVSGDRDENSFSLNSSISSARRTTRSEP IRRAGKSGTSTPTTPGSTAITPGTPPSYSSRTPGTGTPSYPRTPHTPGTPKSAILVP SEKKVAIIRTPPKSPATPKQLRLINQPLDLKNVSKIGSTDNIKYQPKGGQVQIVTKKI

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DLSHVTSKCGSLKNIRHRPGGGRVKIESVKLDFKEKAQAKVGSLDNAHHVPGGGNV
KIDSQKLNFRÉHAKARVDHGAEIITQSPGRSSVASPRRLSNVSSSGSINLLESPQLAT
LAEDVTAALAKQGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MAP2 microtubule-associated protein 2 [Homo sapiens (human)]

Official Symbol MAP2

Synonyms MAP2; microtubule-associated protein 2; MAP2A; MAP2B; MAP2C; MAP-2; DKFZp686I2148;

Gene ID 4133

mRNA Refseq NM_031845

Protein Refseq NP_114033

MIM 157130

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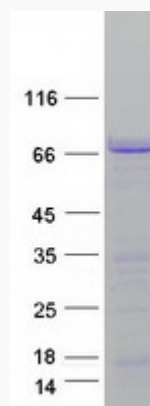
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UniProt ID

P11137

SDS-PAGE

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