

Product datasheet for **TP316775**

MAP2 (NM_002374) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human microtubule-associated protein 2 (MAP2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T



[View online »](#)

Expression cDNA Clone or AA Sequence: >Peptide sequence encoded by RC216775
 Blue=ORF Red=Cloning site Green=Tag(s)

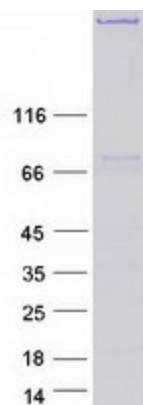
MADERKDEAKAPHWTSAPLTEASAHSHPEIKDQGGAGEGLVRSANGFPYREDEEGAFGEHGSQGTYSN
 TKENGINDELTSADRETAEEVSARIVQVVTAEAVAVLKGEEKEAQHKDQTAALPLAAEETANLPPSP
 PSPASEQTVTVEEDLLTASKMEFHDQQELTPSTAEPDQKEKESEKQSKPGEDLKHAALVSQPETTKTY
 PDKKDMQGTETEEKAPLALFGHTLVASLEDMKQKTEPSLVPGIDLPEKPTPKQKDWFIEMPTAKKD
 EWGLVAPISPGPLTPMREKDVFDIPKWEKQFDSMPSPFQGGSTLPLDVMKNEIVTETSPFAPAFL
 QPDDKSLQQTSGPATAKDSFKIEEPHEAKPKMAEAPPSEAMTLPKDAHIPVVEEHVMGKVLKEEKEA
 INQETVQQRDTFTPSGQEPILTEKETELKLEKTTISDKAEVPEKSKPPKPADEEIGIITSTEHTFSE
 QKDQEPPTDMLKQDSFPVSLEQAVTDSAMTSKLEKAMTEPSALIEKSSIQELFEMRVDKDKIEGVGA
 ATSAELDMPFYEDKSGMSKYFETSALKEEATKSIIEPGSDYYELSDTRESVHESIDTMSPMHKNKDGKEFQ
 TGKESQSPPPAQEAGYSTLAQSYPSDLPEEPSSPQERMFTIDPKVYGEKRDLSHKNKDDLTLRSRSLGLG
 GRSALIEQRMSINLPMSCLDLGFNFRGHDLSPLASDILTNTSGSMDEGDDYLPATTPALEKAPCF
 PVESKEEQIEKVKATGEESTQAEISCESPFLAKDFYKNGTVMAPDLPEMLDLAGTRSRLASVSADA
 ARRKSVPSETVVEDSRTGLPPVTDENHVIVKTDLSQLEDLGYCVFNKYTVPLPSPVQDSENLSGESGTFY
 EGTDDKVRRLATDLSLIEVKLAAAGRVKDEFVSVDKEASAHISGDKSGLSKEFDQEKKANDRLDVTLEK
 SEEHADSKEHAKKTEEAGDEIETFLGVTYEQALAKDLSIPTDASSEKAEKGLSSVPEIAEVEPSKKVE
 QGLDFAVQGLDVKISDFGQMASGLNIDRRATELKLKLEATQDMTPSSKAPQEADAFMGVESGHMKEGT
 K
 VSETEVKEKVAKPDLVHQEAVDKKEESYESSGEHESLTMESLKADEGKKETSPESSLIQDEIAVKLSVEI
 PCPPAVSEADLATDERADVQMEFIQGPKEESKETPDISITPSDVAEPLHETIVSEPAEQSEEEIEAQ
 GEYDKLLFRSDLQITDLGVSGAREEFVETCPSEHKGVIESVVTIEDDFITVVQTTTDEGESGSHSVRF
 AALEQPEVERRRSPHDEEEFEVEAAEAQAEPKDGSPEAPASPEREEVALSEYKTETYDDYKDETTIDD
 SIMDADSLWVDTQDDDRSIMTEQLETIPKEEKAKEARRSSLEKHRKEKPKFTGRGRISTPERKVAKKE
 PSTVSRDEVRRKAVYKKAELAKKTEVQAHSPSRKFKLPAIKYTRPHTLSCVVRKTTAAGGESALAPS
 VFKQAKDKVSDGVTKSPEKRSSLRPPSSILPPRRGVSGDRDENSFSLNSSISSARTRRSEPIRRAGK
 SGTSTPTPGSTAITPGTTPSYSSRTPGTGTPSYRTPHTPGTPKSAILVPSEKKVAIIRTPPKSPAT
 PKQLRLINQPLPDLKNVSKIGSTDNIKYQPKGGQVQIVTKKIDLSHVTSKCGSLKNIRHRPGGGRVKI
 ESVKLDKFKEKAQAKVGLDNAHHVPGGGNVKIDSQKLNFRHAKARVDHGAEIITQSPGRSSVASPRRL
 SNVSSSGSINLLESPQLATLAEDVTAALAKQGL
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC216775 also available, [TP316775](#)

Tag: C-Myc/DDK
Predicted MW: 199.3 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002365
Locus ID:	4133
UniProt ID:	P11137
RefSeq Size:	6534
Cytogenetics:	2q34
RefSeq ORF:	5481
Synonyms:	MAP-2; MAP2A; MAP2B; MAP2C
Summary:	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. [provided by RefSeq, Jan 2010]
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS

Product images:



Coomassie blue staining of purified MAP2 protein (Cat# TP316775). The protein was produced from HEK293T cells transfected with MAP2 cDNA clone (Cat# [RC216775]) using MegaTran 2.0 (Cat# [TT210002]).