

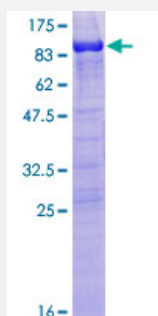
Full-Length

MAP2 (Human) Recombinant Protein (P01)

Catalog # H00004133-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MAP2 full-length ORF (NP_114033.2, 1 a.a. - 471 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MADERKDEAKAPHWTSAPL TEASAHSHPPEIKDQGGAGEGLVRSANGFPYREDEEGAFGEHGS
QGTYSNTKENGINGELTSADRETAEEVSARIVQVVTAEAVAVLKGEQEKEAQHKDQTAALPLAAE
ETANLPPSPPPSPASEQTVTVEEAAGGESALAPSVFKQAKDKVSDGVTKSPEKRSSLPRSSIL
PPRRGVSGDRDENSFSLNSSISSSARRTTRSEPIRRAGKSGTSTPTTPGSTAITPGTPPSYSSRTP
GTPGTPSYPRTPHTPGTPKSAILVPSEKKVAIIRTPPKSPATPKQLRLINQPLPDLKNVSKIGSTDNI
KYQPKGGQVQIVTKKIDLSHVTSKCGSLKNIRHRPGGGRVKIESVKLDFKEKAQAKVGSLDNAHH
VPGGGNVKIDSQKLNFREHAKARVDHGAEIITQSPGRSSVASPRRLSNVSSSGSINLLESPQLATL
AEDVTAALAKQGL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAP2

Entrez GeneID[4133](#)**GeneBank Accession#**[NM_031845.2](#)**Protein Accession#**[NP_114033.2](#)**Gene Name**

MAP2

Gene Alias

DKFZp686I2148, MAP2A, MAP2B, MAP2C

Gene Description

microtubule-associated protein 2

Omim ID[157130](#)**Gene Ontology**[Hyperlink](#)**Gene 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]

Other Designations

OTTHUMP00000163916

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)