Recombinant Human MAP4

Cat. No. MAP4-29752TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MAP4 (aa 1-99) with N-terminal proprietary tag, 36.96 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	The protein encoded by this gene is a major non-neuronal microtubule-associated protein. This protein contains a domain similar to the microtubule-binding domains of neuronal microtubule-associated protein (MAP2) and microtubule-associated protein tau (MAPT/TAU). This protein promotes microtubule assembly, and has been shown to counteract destabilization of interphase microtubule catastrophe promotion. Cyclin B was found to interact with this protein, which targets cell division cycle 2 (CDC2) kinase to microtubules. The phosphorylation of this protein affects microtubule properties and cell cycle progression. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.960kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MADLSLADALTEPSPDIEGEIKRDFIATLEAEAFDDVVGETVGKTDYIPLLDVDEKTGN SESKKKPCSETSQIEDTPSSKPTLLANGGHGVEGSDTTEA
Sequence Similarities	Contains 4 Tau/MAP repeats.

GENE INFORMATION

Gene Name	MAP4 microtubule-associated protein 4 [Homo sapiens]
Official Symbol	MAP4
Synonyms	MAP4; microtubule-associated protein 4;
Gene ID	4134
mRNA Refseq	NM_001134364
Protein Refseq	NP_001127836
MIM	157132
Uniprot ID	P27816
Chromosome Location	3p21

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	protein binding; structural molecule activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA