

Product datasheet for **SC128148**

MAP1B (NM_005909) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP1B (NM_005909) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAP1B
Synonyms:	FUTSCH; MAP5; PPP1R102; PVNH9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005909, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACCGTGGTGGTGAAGCCACCGAGCCGGAGCCGTCGGCAGCATCGCCAACCCGGCGGCGTCCA  
CCTCGCCTAGCCTGTCGACCCGCTTCTTGACAGCAAGTTCTACTTGCTGGTGGTCGCGCGAGATCGT  
GACCGAGGAGCACCTGCGCGTGCATCGGCAACATCGAGCTCGGAATCCGATCATGGGACACAAACCTG  
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AGCAGCACAGTGGTTATGCAAGATGAATCCTTCCCTGCATGCAAGATTGAACTGTAA
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Restriction Sites:

Please inquire

ACCN:

NM_005909

Insert Size:

10000 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	A TrueClone.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_005909.2</u> , <u>NP_005900.1</u>
RefSeq Size:	9416 bp
RefSeq ORF:	7407 bp
Locus ID:	4131
UniProt ID:	<u>P46821</u>
Cytogenetics:	5q13.2
Domains:	MAP1B_neuraxin
Gene Summary:	<p>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 product of this gene is a precursor polypeptide that presumably undergoes proteolytic processing to generate the final MAP1B heavy chain and LC1 light chain. Gene knockout studies of the mouse microtubule-associated protein 1B gene suggested an important role in development and function of the nervous system. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) lacks exon 3A as compared to variant 2. It contains alternate exons, 1 and 2, which results in an alternate 5' UTR sequence and starting methionine. The encoded protein is thus longer at the N-terminus but otherwise id</p>