

Product datasheet for **SC122975**

MAP6D1 (NM_024871) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP6D1 (NM_024871) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAP6D1
Synonyms:	MAPO6D1; SL21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_024871 edited
 GGGCGGCGGGCGCGGGGCTGGCATGGCGTGGCCCTGTATCAGCCGCCTGTGCTGCCTGG
 CGCGGGCGCTGGAACCACTGGACCGCTCCGACGTGGCGGTGCCGCTCACTCTGCACGGCT
 ACTCGGACCTCGACAGCAGGAGCCGGGCACGGGCGGCGCCCTCGCGCAGGGGCCAGC
 CTCCCGCGGGCGCCGGGATTCCGGCCGGGACGTGCCGCTCACTCAGTACCAGCGGGACT
 TCGGCTTGTGGACCACGCGCGCGGGCCCAAGGATCCGCCGCGGGCGCGGACCGGGGG
 CGGGCGGCGCAGGGGCAATCCTCCGCGCAGTCTCCGCCACCTGCGCCCGGCGGCC
 GCGGGGTCTACGTGCTGCCATCGGCGACGCGGACGCGGCTGCAGCAGTGACCACGTCGT
 ACAGACAGGAATTCCAGGCTTGGACTGGAGTGAAGCCCTCAAGATCCACAAGACAAAAC
 CAGCCCGAGTCATCACAACCCACACTTCGGGATGGGACAGCAGCCCTGGGGCCGGCTTCC
 AGGTCCCAGAGGTGAGGAAGAAGTTCACCTTAACCCCTCCGCCATCTTTCAGGCCTCAG
 CTCCCGGATTCTCAACGTGTGACTGCCTGCACCGTGACACCATGGTGCCGACAGGACA
 GGGCTGGGAGCGGCCTCAGGACCCACTGCCGCGGGGCTGGGCGAGAGCATGGCATGGGC
 CCCTGCGGAGGGCACAGCCCTCTCAAAGCTGTACCAGGGCCAAAGTGTGGTGTGGA
 GCAGATGCACCGATGGACTTGGCACACCCAGCTCAGCCTCAAGCATCCTCTTGAGAAGCC
 TGTGGAAGGCTCCTGCGTTCGTTAACTGCCATCTGGCCGTCTCTCAGTTTTGAAATCTCT
 GAGGAGCCTGAGGATCAAGTCAGTTGGGAACCGAATTGGTCCATGGAAGCTGAGGAATGT
 GGACACATCCGGCCCTTGAAAGAACCAGTTATGTCCACTTTTGGTGGATTTCCAGGATG
 CGTGAGCACTTGATTAATTTATAACCTACAGTGAGACCTTGGCTCTTCTACAAATGG
 CCCCTGCAGTTGAAGCTGTTGGAATCTTGGGCCGTACCTGCATGACTCATGGTGATGCT
 GAGTATCCAGGAGGAAATTTCCAGAAGAAACAGACCGTCAGTCACGGGCTTCCACTTCAC
 AGACCTCCTTATGGCCAAGATGAGCCTCATGTTTTAACAAAACAGTTCTTGGGATTGAAT
 GACTCACATTTACCTTGTGCTAGGTTCTAAAGATTGAATCCACATTTTGTACTAATGAT
 TTTCCCGCTAACATAAGGATGATGAGCAGGGCACTATCATACACACTGGCTGAGAACTGG
 AACTGTTTTTGGGAAGGTGGCATTGTCTCATTCCCTGAAATACCTTAAATGTCCTCTA
 CACCAACCCCTCCGTCTACCCTGCTCACATGTACAGTGACGGGGAACCTACCACTTTTG
 AAGAGGCAGTTCAATTTCTTGGCAAAGCTCTCTCCTAAGTTCTCCGTAAATTCAGCCA
 GCATGGCCACATGGGTACGCGCTGGTGCCTTCACACGTTTGAGGGGTCTTCGTCTCTTT
 TAAAGCTTAGAGGTACAAGCTCAGGACAGTCTTCAAGTAAAGAAATTTGTGGATTTCCCTT
 TGGATCTTTCTCTCTCCAGCCACAAGTGGCTCTAGTGAGACGAGCATTTAAGCTGCA
 GGTGGTGGCACTCGGGTCTCAGAGCCACCAGACGTGCAGGTGGGACAGTGGTTCCAGCTC
 CGACTGCCTGTCAGCGTCCCTCCAGGTGCTAGCCCTGGCAGGCACAGCCCTCCCTCAT
 GCCAGCAAAGGAAATGCTCTTGATGAGAGGCTCGCTTTAAAGAAGCCCAAAGCGTGTGCT
 TATCCAAGGGGTTCAAGTATTCCTGACTTCACGGCTTGATGTTTGATTTTTCTAAGAGA
 AAAGAGGCTGCCTGCTGGGTGTCTGTGGAATGAGATTAATAAAGTGTACAATCTCAGATT
 TTAATAAATGCAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024871 unedited NAATATGTCAACATTTGTAAACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGGCG GCGGGCGCCGGGCTGGCATGGCGTGGCCCTGTATCAGCCGCCTGTGCTGCCTGGCGCGG CGCTGGAACCACTGGACCGCTCCGACGTGGCGGTGCCGCTCACTCTGCACGGCTACTCG GACCTCGACAGCAGGAGCCGGGCACGGCGCGCGCCCTCGCGCAGGGGCCAGCCTCCC GCGGGCGCCCGGATTCCGGCCGGGACGTGCCGCTCACTCAGTACCAGCGGGACTTCGGC TTGTGGACACGCCCCCGGGCCCAAGGATCCGCCCGGGGCGCGGACCGGGGCGGGC GGCCGCAGGGGCAATCTCCGCGCAGTCTCCGCGCCACCTGCGCCCGCGCGCCCGCGG GTCTACGTGCTGCCCATCGGCGACGCGGACGCGGCTGCAGCAGTACCACGTCTGTACAGA CAGGAATTCCAGGCTTGGACTGGAGTGAAGCCCTCAAGATCCACAAAGACAAAACAGCC CGAGTCATCACAAACCACTTCGGGATGGGACAGCAGCCCTGGGGCCGGCTTCCAGGTC CCAGAGGTGAGGAAGAAGTTCACTCCTAACCCCTCCGCCATCTTCAGGCCTCAGTCCC CGGATTCTCAACGTGTGACTGCCTGCACCGTGACACCATGGCTGCCGACAGGACAGGGCT GGGAGCGGCCTCAGGACCACTGCCGCGGGGTGGGCGAGAGCATGGCATGGGCCCTG CGGGAGGGCACAGCCCTCTCATAGCTGTACACAGGGCCAAAGTCTGGGTGGGAGCAG ATGCACCGATGGACTGGNCACACCCAGCTCAGCCTCAAGCATCCTTTGAAAAGCTGC
Restriction Sites:	Please inquire
ACCN:	NM_024871
Insert Size:	2070 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	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_024871.1</u> , <u>NP_079147.1</u>
RefSeq Size:	2104 bp
RefSeq ORF:	600 bp
Locus ID:	79929
UniProt ID:	<u>Q9H9H5</u>
Cytogenetics:	3q27.1

Gene Summary:

This gene encodes a protein highly similar to the mouse MAP6 domain containing 1 protein, which is related to the STOP proteins. Based on the study of the mouse protein, the encoded protein may function as a calmodulin-regulated neuronal protein that binds and stabilizes microtubules but also associates with the Golgi membranes through N-terminal palmitoylation. [provided by RefSeq, Oct 2008]