

Product datasheet for **MR208812**

Prosapip1 (BC058280) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prosapip1 (BC058280) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prosapip1
Synonyms:	Prosapip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208812 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCGAAGCTGGAGACGTTACCTGTGCGCGTGATCCAGGGAGGGATCCTCTCCTGGCCTTTGCCCCC
 GGCTTCTGAGCTTGGACCCCAGATCCCGCCTGACTATGGGCAGTTGCTCGGAGCCACTAGTTCGGCC
 ATCAGCCTTCAAGCCTGTTGTACCAAGAACTTTCATTCCATGCAGAACTTGTGTCTCCACAGACCAAT
 GGGACCCCTGAGGGACGACAGGGCCCCGCGGCCCTCAAAGGCGGACTGGACAAGTCTCGGACCATGACCC
 CAGCTGGTGGGAGTGGGGCGGCCTCTCAGACTCAGGCCGGAACCTCACTCACAAGCTTGGCCACCTATAG
 CTCCAGCTATAGCCAGCATCTGGCACCCCTCAGTGCTTCCACCAGCCATATCAACCGTATTGGCACCGCT
 GGCTATAGTAGTGGCAGTAGCGTGGGGGTGAGGCTACCAGGATCTGGGACCTCTGACAGTGGGCGG
 CTTCCAGTAAGAGTGGGTCGTATCATCCATGGGGCGGTACAGCCACCTGGGATCCGGGGAGGGCGGAAA
 TGGGGGCTGCCATTTGCAGCCTGTTACCAACCCTCGCCAGTGCCTGATCCAGGAGCTGGAGGAGCGG
 CTGTGGGAGAAGGAGCAGGAGGTGGCAGCTCTGCGGCGCAGCCTGGAGCAGAGCAGGCAGCCGTGGCCC
 AGGTGTTGGAGGAGCGGAGAAGGCATGGGAGCGGGAGCTAGCCGAGCTCCGGCAGGGCTGCAGTGGGAA
 GCTGCAGCAGGTGGCCCGCGTGGCCAGCGTGCCAGCAGGGCCTACAGCTGCAGGTGCTGCGGTTACAG
 CAGGACAAGAAACAGCTGCAGGAGGAGCGGCCAGCTGATAAGGCAACGGGAAGAGTGGAGGACAAGG
 TGGCCGTCTGTCAGAAGGAGCAGGCCGACTTCTGCCCGGATGGAGGAACTAAGTGGGAGGTGTGCCA
 GAAGGCCGGTGAGATTTCCCTCCTGAAGCAACAAGTGAAGGACTCTCAGGCCGATGTGTCGAGAAGTTG
 AGTGAGATCGTGGGCTGCGCTCACAGCTTCGGGAGGGTAGGGCCTCGCTCCGGGAGAAGGAGGAGCAGC
 TGCTCAGCTTGAGGAGCTCCTTCGGCAGCAACAGGCCAGCCTGGAGCTGAGTGAAGCGAGCTGCCCCC
 TGCTGCCTCAAGCCTGCGCTGACCCCGTGGACCTGGTCGAGCCACAGGAGGCGCTGGCCTCCTGTGAG
 AGTGACGAGGCCAAGATGCGCCGCGCAGGCTGGCGTGGCGCTGCCGCTTCTGTGTTTCTGTTGATGGGG
 AGGTGGAGGCTGGAGGAGAGGGTGGGACACGGGCCCTACGAGGGAGGTGGGAGATTGCAGGCTGAGCT
 GGCTGCTGAGCGGCGTGCCCGTGAGCGCCAGGGTGCCAGCTTTGCGGAGGAGCGCCGGGTGTGTTGGAG
 GAGAAGGAGAAGGTATTGAGTATCAGAAACAGCTCCAGCTGAGTTATGTGGAGATGTATCAGCGCAACC
 AGCAGCTGGAGCGGCGACTTCGGGAGCGTGGGGCAGCAGGGGGTCCAGCACGCCTACTCCCAGCATGG
 AGAGGAAAAGAAAGCCTGGACCCCTCCCGCTGGAGCGCATCGAGTCCACTGAAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208812 protein sequence
 Red=Cloning site Green=Tags(s)

MAKLETLPVRADPGRDPLLAFAAPRPSSELGPPDPRLTMGSCSEPLVRPSAFKPVVPKNFHSQMQLCPPQTN
 GTPEGRQGPAGLKGGLDKSRMTMPAGGSGGLSDSGRNSLTSLPTYSSYSQHLAPLSASTSHINRIGTA
 GYSSGSSGGSGYQDLGTSDSGRASSKSGSSSMGRSGHLGSGEGNGGLPFAACSPSPSALIQELEER
 LWEKEQEVAALRRSLEQSEAAVAQVLEERQKAWERELAELRQGC SGKLQQVARRAQRAQQGLQLQVLRQ
 QDKKQLQEAAQLIRQREELDKVAVCQKEQADFLPRMEETKWEVCQKAGEISLLKQQLKDSQADVSQKL
 SEIVGLRSQIREGRASLREKEQLLSLRDSFGSKQASLELSEGELPPACLKPALTPVDLVEPQEALASCE
 SDEAKMRRQAGVAAAASLVSDGEVEAGGEGTRALRREVGRQLAELAERRARERQGSFAEERRVWLE
 EKEKVIEYQKQLQLSYVEMYQRNQQLERRLRERGAAGGSSTPTPQHGEKKAWTPSRLERIESTE I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC058280

ORF Size: 1668 bp

OTI Disclaimer: 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: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC058280](#), [AAH58280](#)

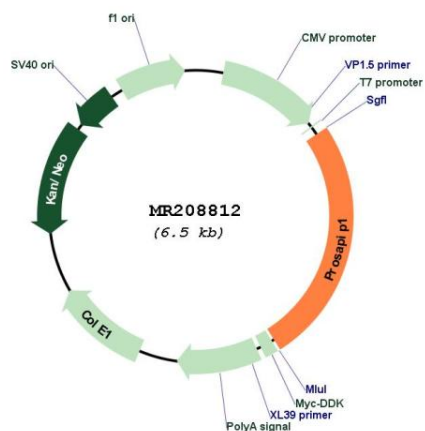
RefSeq Size: 3832 bp

RefSeq ORF: 1670 bp

Locus ID: 241638

Cytogenetics:	2 F1
MW:	60.4 kDa
Gene Summary:	May be involved in promoting the maturation of dendritic spines, probably via regulating SIPA1L1 levels at the postsynaptic density of synapses.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208812