

Product datasheet for **MG208812**

Prosapip1 (BC058280) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prosapip1 (BC058280) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prosapip1
Synonyms:	Prosapip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG208812 representing BC058280
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGAAGCTGGAGACGTTACCTGTGCGCGTGATCCAGGGAGGGATCCTCTCCTGGCCTTTGCCCCC
 GGCTTCTGAGCTTGACCCCCAGATCCCGCCTGACTATGGGCAGTTGCTCGGAGCCACTAGTTGGCC
 ATCAGCCTTCAAGCCTGTTGTACCAAGAACTTTCATTCCATGCAGAACTTGTGTCTCCACAGACCAAT
 GGGACCCCTGAGGGACGACAGGGCCCCGCGGCCCTCAAAGGCGGACTGGACAAGTCTCGGACCATGACCC
 CAGCTGGTGGGAGTGGGGCGGCCTCTCAGACTCAGGCCGGAACCTCACTACAAGCTTGGCCACCTATAG
 CTCCAGCTATAGCCAGCATCTGGCACCCCTCAGTGCTTCCACCAGCCATATCAACCGTATTGGCACCCT
 GGCTATAGTAGTGGCAGTAGCGTGGGGGTGAGGCTACCAGGATCTGGGACCTCTGACAGTGGGCGG
 CTTCCAGTAAGAGTGGGTCGTATCATCCATGGGGCGGTGAGGCCACCTGGGATCCGGGGAGGGCGGAAA
 TGGGGGCTGCCATTTGAGCCTGTTCAACCCCTCGCCAGTGCCTGATCCAGGAGCTGGAGGAGCGG
 CTGTGGGAGAAGGAGCAGGAGGTGGCAGCTCTGCGGCGCAGCCTGGAGCAGAGCGAGGCAGCCGTGGCCC
 AGGTGTTGGAGGAGCGGAGAAGGCATGGGAGCGGGAGCTAGCCGAGCTCCGGCAGGGCTGCACTGGGAA
 GCTGCAGCAGGTGGCCCGCGTGGCCAGCGTGGCCAGCAGGGCCTACAGCTGCAGGTGCTGCGGTTACAG
 CAGGACAAGAAACAGCTGCAGGAGGAGCGGCCAGCTGATAAGGCAACGGGAAGAGCTGGAGGACAAGG
 TGGCCGTCTGTGAGAAGGAGCAGGCCGACTTCTGCCCCGGATGGAGGAACTAAGTGGGAGGTGTGCCA
 GAAGGCCGGTGAGATTTCCCTCTGAAGCAACAAGTGAAGGACTCTCAGGCCGATGTGTCGAGAAGTTG
 AGTGAGATCGTGGGCTGCGCTCACAGCTTCGGGAGGGTAGGGCTCGCTCCGGGAGAAGGAGGAGCAGC
 TGCTCAGCTTGAGGACTCCTTCGGCAGCAACAGGCCAGCCTGGAGCTGAGTGAAGGCGAGCTGCCCCC
 TGCTGCCTCAAGCCTGCGCTGACCCCGTGGACCTGGTCGAGCCACAGGAGCGCTGGCCTCCTGTGAG
 AGTGACGAGGCCAAGATGCGCCGCGAGGCTGGCGTGGCGCTGCCGCTTCTGTGTTTCTGTTGATGGGG
 AGGTGGAGGCTGGAGGAGAGGTGGGACACGGGCCCTACGAGGGAGGTGGGAGATTGCAGGCTGAGCT
 GGCTGCTGAGCGGCGTGGCCGTGAGCGCCAGGCTGCCAGCTTTCGGGAGGAGCGCCGGGTGTGTTGGAG
 GAGAAGGAGAAGGTCAATGAGTATCAGAAACAGCTCCAGCTGAGTTATGTGGAGATGTATCAGCGCAACC
 AGCAGCTGGAGCGGCGACTTCGGGAGCGTGGGGCAGCAGGGGGTCCAGCACGCCTACTCCCAGCATGG
 AGAGGAAAAGAAAGCCTGGACCCCTCCCGCTGGAGCGCATCGAGTCCACTGAAATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208812 representing BC058280
 Red=Cloning site Green=Tags(s)

MAKLETLPVRADPGRDPLLAFAAPRPSSELGPPDPRLTMGSCSEPLVRPSAFKPVVPKNFHSMQNLCPPTN
 GTPEGRQGPAGLKGGLDKSRTMPAGSGGGLSDSGRNSLTSLPTYSSSYSQLAPLSASTSHINRIGTA
 GYSSGSSGGSGYQDLGTSDSGRASSKSGSSSMGRSGHLGSGEGNGGLPFAACSPSPSALIQELEER
 LWEKEQEVAALRRSLEQSEAAVAQVLEERQKAWERELAE LRQGC SGKLQQVARRAQRAQQGLQLQVLRQ
 QDKKQLQEAAQLIRQREELEDKAVVCQKEQADFLPRMEETKWEVCQKAGEISLLKQQLKDSQADVSQKL
 SEIVGLRSQLEGRASLREKEQLSLRDSFGSKQASLELSEGELPPACLKPALTPVDLVEPQALASCE
 SDEAKMRRQAGVAAAASLVSDGEVEAGGEGTRALRREVGRQLAELAERRARERQASFAERRVWLE
 EKEKVIEYQQLQLSYVEMYQRNQQLERRLRERGAAGGSTPTPQHGEKKAWTPSRLERIESTE I

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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

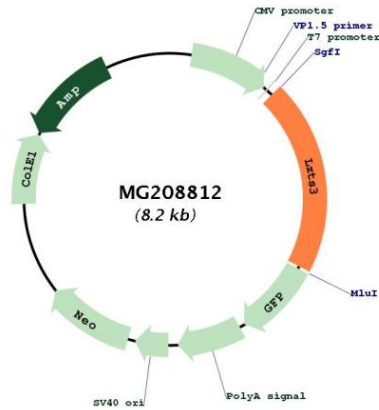
RefSeq ORF: 1670 bp

Locus ID: 241638

Cytogenetics: 2 F1

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 MG208812