

Product datasheet for **MC218039**

AI118078 (BC068128) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AI118078 (BC068128) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	AI118078
Synonyms:	9630029F15; AI118078; HVRP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC068128 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGCTATTTTCAGCCACACCGTGCTTTTCAGGTCTGACTGGCTGAAGCCGTGCTGTGGGAAGAGAGCAG
CCGTATGGCAGGTATTTTTGCTCAGTCAAGTCTCAACAGTTTCTGGTAGCCTGTGTAATATTGGTGGT
GATCCTCCTGACTCTGGAGCTTCTCATAGATACAAAGCTTCTCCAGTTTTCCAATGCTTTCCAGTTTCTG
GGTGTCACTTCACTGGATCAGTCTGGTCACTCTCTCTGTGTCTTCTCAGAGACTGTCTACGGATCGTGG
TACTGGGGATCTGGGATTACATCGAAAACAAAATAGAGGTGTTTGACGGGGCTGTGATCATCCTGTCCCT
GGCCCCGATGGTGGCGTCCACTGTGGCTAACGGACCCAGGAGCCCCTGGGATGCCATCAGCCTCATCATC
ATGTTCCGAATCTGGCGGTGAAGAGGGTCACTTATGATGCCTATGTCCTGCCAGTCAAGTTGGAGATGGAGA
TGGTCAACCAGCAGTATGAGAAGGCCAAGGCCATCCAAGATGAGCAGCTGGAAAGACTGACGCAAACTCTG
TCAGGAGCAAGGGTTTGAGATCCGGCAGCTGCGTGCGCACCTGGCACAGCAGGACCTGGATCTGGCAGCC
GAGCGGGAGGCGCGCTGCAGGCCACACGTGCTCAGCCAGCCACGCAGCCGCTACAAGTTCGTAGAGG
CTGGCACGTGGGCCGAGGAGACAGCAGCCGAGAGCATCGTGAAGAGCTGAGGCCCTCTCAAGAAGCCAC
AGTAAAAGATGACATGAACAGCTACATCAGCCAATACTACAATGGGCCAGCAGTGGTAAGTCTGGGTTG
GGACTGTTTGCATGCACTATGCAGCCCCAGGACACTTGTGACCCAGCAAACCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	BC068128
Insert Size:	897 bp



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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:	<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>BC068128</u> , <u>AAH68128</u>
RefSeq Size:	4432 bp
RefSeq ORF:	896 bp
Locus ID:	244886
Cytogenetics:	9 B
Gene Summary:	Voltage-sensor protein present on the post-synaptic side of glutamatergic mossy fibers and granule cells in the cerebellum. Despite the presence of a voltage-sensor segment, does not form a functional ion channel and its precise role remains unclear. Undergoes both rapid and slow structural rearrangements in response to changes in voltage. Contains a zinc-binding site that can regulate the slow conformational transition.[UniProtKB/Swiss-Prot Function]