

## Product datasheet for **MR204132L3V**

### **AI118078 (BC068128) Mouse Tagged ORF Clone Lentiviral Particle**

#### Product data:

**Product Type:** Lentiviral Particles

**Symbol:** AI118078

**Synonyms:** 9630029F15; AI118078; HVRP1

**Mammalian Cell Selection:** Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

**Tag:** Myc-DDK

**ACCN:** BC068128

**ORF Size:** 894 bp

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(MR204132).

**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.

**RefSeq:** [BC068128](#), [AAH68128](#)

**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]