

## Product datasheet for MR222267L4

### Hap1 (NM\_177981) Mouse Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Hap1 (NM\_177981) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Hap1

Synonyms: HAP; HAP-1

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** The ORF insert of this clone is exactly the same as(MR222267).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_177981

ORF Size: 1884 bp



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#### Hap1 (NM\_177981) Mouse Tagged Lenti ORF Clone - MR222267L4

**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.

RefSeq: <u>NM 177981.2</u>, <u>NP 817090.1</u>

 RefSeq Size:
 3225 bp

 RefSeq ORF:
 1887 bp

 Locus ID:
 15114

 UniProt ID:
 035668

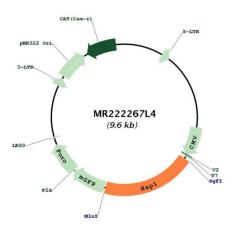
 Cytogenetics:
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**Gene Summary:** The protein encoded by this gene was first identified as a neuronal protein that binds the HD

protein huntingtin. The protein also interacts with kinesin light chain, 14-3-3 proteins, and Abelson helper integration site 1 protein. The protein is involved in intracellular trafficking of vesicles and organelles, and lack of the protein results in neuronal death resembling the hypothalamic degeneration that occurs in Huntington's disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009]



# **Product images:**



Circular map for MR222267L4