

Product datasheet for RR200387L4

Hap1 (NM_024133) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Hap1 (NM_024133) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Hap1

Synonyms: HAP1-A; HAP1-B

Mammalian Cell Puromycin

Selection:

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

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

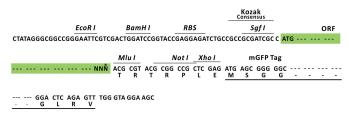
ORF Nucleotide The ORF insert of this clone is exactly the same as(RR200387).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_024133

ORF Size: 1797 bp



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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.

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube Components:

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: NM 024133.3

RefSeq Size: 3691 bp RefSeq ORF: 1800 bp Locus ID: 29430 **UniProt ID:** P54256 Cytogenetics: 10q31

Gene Summary: Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal

> neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. This gene encodes a protein that is homologous to the human huntingtin-associated protein 1. The human protein interacts with huntingtin, with two cytoskeletal proteins (dynactin and pericentriolar autoantigen protein 1), and with a hepatocyte growth factor-regulated tyrosine kinase substrate. The interactions with cytoskeletal proteins and a kinase substrate suggest a role for this protein in vesicular trafficking or organelle transport. Two transcripts encoding

different isoforms have been identified. [provided by RefSeq, Jul 2008]