

Product datasheet for **RR200388L4V**

Hap1 (NM_177982) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hap1 (NM_177982) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Hap1
Synonyms:	HAP1-A; HAP1-B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177982
ORF Size:	1887 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR200388).
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:	NM_177982.2
RefSeq Size:	3184 bp
RefSeq ORF:	1890 bp
Locus ID:	29430
UniProt ID:	P54256
Cytogenetics:	10q31



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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]