

Product datasheet for **MR222267L4V**

Hap1 (NM_177981) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hap1 (NM_177981) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hap1
Synonyms:	HAP; HAP-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177981
ORF Size:	1884 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222267).
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_177981.2 , NP_817090.1
RefSeq Size:	3225 bp
RefSeq ORF:	1887 bp
Locus ID:	15114
UniProt ID:	O35668
Cytogenetics:	11 D



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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]