

## Product datasheet for **RC220251L1V**

### Huntingtin Associated Protein 1 (HAP1) (NM\_177977) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Huntingtin Associated Protein 1 (HAP1) (NM_177977) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Huntingtin Associated Protein 1  |
| Synonyms:                 | HAP2; hHLP1; HIP5; HLP   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_177977  |
| ORF Size:                 | 1857 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC220251).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_177977.1</a>  |
| RefSeq Size:              | 3981 bp  |
| RefSeq ORF:               | 1860 bp  |
| Locus ID:                 | 9001   |
| UniProt ID:               | <a href="#">P54257</a>   |
| Cytogenetics:             | 17q21.2  |
| Protein Pathways:         | Huntington's disease   |



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**MW:** 69.5 kDa

**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 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. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]