**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RR200387

## Hap1 (NM_024133) Rat Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Hap1 (NM_024133) Rat Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Hap1 |
| **Synonyms:** | HAP1-A; HAP1-B |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **Cell Selection:** | Neomycin |



View online »

**ORF Nucleotide Sequence:**

>RR200387 representing NM_024133
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCCCGAAGGACCAGGTGCAGAGCAGTGCCGGGGACGGGACGGGGTCGGGGGACCCAGCAACAGGCA
CCCCCACGACCCAGCCTGCAGCGGATCCCGCTCCGGAGCCCTCGGCAGAGCCCAAACCTGCTCCGGCGCA
GGGAACCGGGTCCGGACAGAAATCAGGATCCCGAACCAAGACAGGAGGAAGCTTTTGTAGGTCCAGGATC
CGTGGCGACTCGGACGCACCATGGACCCGCTACATATTCCAGGGGCCTTACGGTCCCCGGGCTACTGGCC
TGGGCACTGGAAGGGCTGAGGGAATCTGGAAGACGCCAGCCGCGTACATCGGCCGAAGGCCCGGCGTGTC
CGGCCCTGAGCGCGCGGCGTTTATTCGAGAGCTGCAGGAAGCGCTGTGTCCTAATCCACTGCCCAGGAAG
AAGATCACCGAAGATGATATCAAAGTGATGTTGTATTTGCTGGAAGAGAAAGAACGGGACCTGAACACAG
CCGCTCGCATCGGCCAGTCCCTGGTGAAACAGAATAGTGTTCTGATGGAGGAGAATAACAAGCTGGAAAC
CATGCTGGGCTCAGCCAGAGAGGAGATTTTACATCTCCGGAAGCAGGTGAACCTGCGAGATGATCTCCTT
CAGCTCTACTCGGACTCCGATGACGATGAGGAGGATGAAGAGGATGAGGAAGAGGAAGAGGGAGAAGAGG
AGGAACGAGAAGGACAGAGGGACCAAGATCAGCAGCACGACCATCCCTATGGTGCCCCCAAGCCGCCCCC
TAAGGCTGAGACGCTGCACCACTGCCCACAGCTGGAAGCCCTGAAGCAGAAGCTGAAACTGCTGGAAGAA
GAGAACGACCATCTTCGAGAGGAGGCCTCCCACCTTGACAACCTGGAAGACAAAGAACAGATGCTCATTC
TGGAGTGTGTGGAACAGTTTTCTGAAGCCAGCCAGCAGATGGCAGAGCTATCCGAGGTGTTGGTGCTGAG
GCTGGAAGGCTATGAGAGGCAGCAGAAGGAGATCACTCAGCTGCAGGCCGAGATCACCAAGCTACAACAG
CGTTGTCAGTCTTATGGGGCCCAGACGGAGAAACTGCAGCAGCAGCTGGCCTCAGAGAAGGGAGTCCACC
CAGAGAGCCTGCGAGCTGGCTCCCACATGCAGGATTATGGAAGCAGGCCTCGTGAACGCCAGGAGGATGG
GAAGAGCCATCGTCAGCGTTCCTCAATGCCTGCAGGTTCTGTCACCCACTATGGATACAGTGTGCCTCTG
GATGCACTTCCAAGTTTCCCAGAGACACTGGCGGAGGAGCTCCGGACATCCCTGAGGAAGTTCATCACTG
ACCCTGCGTATTTCATGGAGAGATGTGACACTCGCTGCAGAGAGGAACGAAAGAAGGAGCAGGGGACAAT
GCCACCCCCACCGGTGCAAGATCTCAAGCCGCCTGAAGATTTCGAGGCTCCAGAGGAGCTGGTTCCTGAG
GAGGAGCTGGGGGCCATAGAAGAGGTGGGGACAGCTGAGGATGGGCCGGCAGAAGAGACAGAGCAGGCAT
CTGAGGAGACCGAGGCCTGGGAGGAGGTGGAACCGGAGGTGGACGAGGCCACAAGGATGAATGTGGTGGT
CTCTGCCCTGGAGGCCAGCGGCCTGGGCCCTTCACACCTGGACATGAAGTATGTCCTCCAGCAACTGTCC
AACTGGCAGGACGCCCATTCTAAGCGGCAGCAGAAGCAGAAGGTGGTCCCGAAAGGTGAGTGTTCCCGCA
GAGGACACCCTCCTGCCAGTGGGACAAGCTACCGATCATCAACCCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

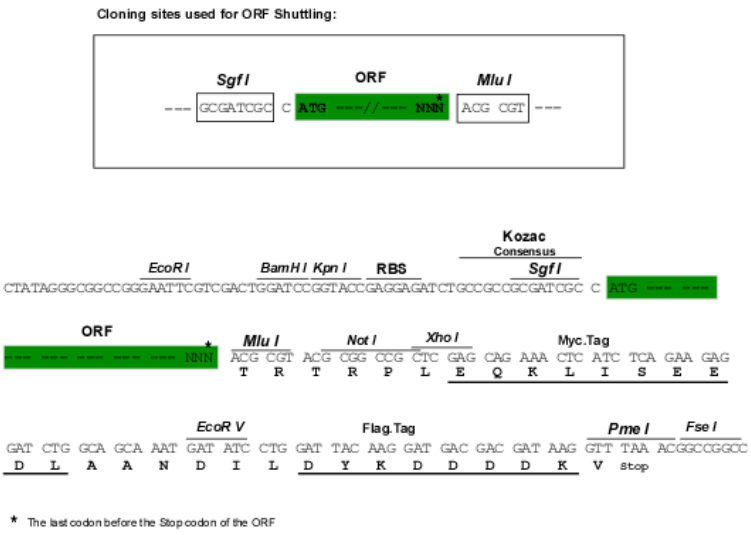
>RR200387 representing NM_024133
Red=Cloning site Green=Tags(s)

MRPKDQVQSSAGDGTGSGDPATGTPTTQPAADPAPEPSAEPKPAPAQGTGSGQKSGSRTKTGGSFCRSRI
RGDSDAPWTRYIFQGPYGPRATGLGTGRAEGIWKTPAAYIGRRPGVSGPERAAFIRELQEALCPNPLPRK
KITEDDIKVMLYLLEEKERDLNTAARIGQSLVKQNSVLMEENNKLETMLGSAREEILHLRKQVNLRDDLL
QLYSDSDDDEEDEEDEEEEEGEEEEREGQRDQDQQHDHPYGAPKPPPKAETLHHCPQLEALKQKLKLLEE
ENDHLREEASHLDNLEDKEQMLILECVEQFSEASQQMAELSEVLVLRLEGYERQQKEITQLQAEITKLQQ
RCQSYGAQTEKLQQQLASEKGVHPESLRAGSHMQDYGSRPRERQEDGKSHRQRSSMPAGSVTHYGYSVPL
DALPSFPETLAEELRTSLRKFITDPAYFMERCDTRCREERKKEQGTMPPPPVQDLKPPEDFEAPEELVPE
EELGAIEEVGTAEDGPAEETEQASEETEAWEEVEPEVDEATRMNVVVSALEASGLGPSHLDMKYVLQQLS
NWQDAHSKRQQKQKVVPKGECSRRGHPPASGTSYRSSTL

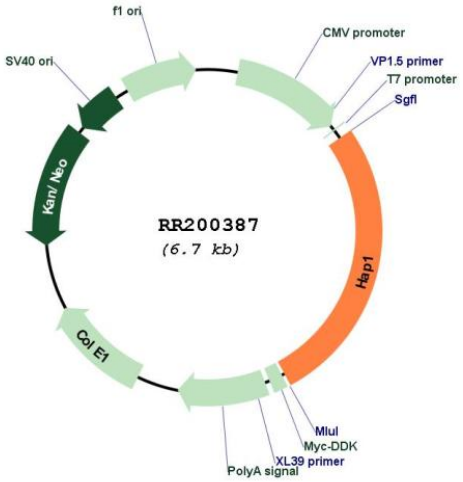
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**Plasmid Map:**




**ACCN:** NM_024133

**ORF Size:** 1797 bp

| | |
|---|---|
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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 |
| **MW:** | 67 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 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] |