

## Product datasheet for **RR211817**

### Hiat13 (NM\_001106467) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hiat13 (NM_001106467) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hiat13
Synonyms:	Hiat1; Mfsd14a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211817 representing NM\_001106467  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCCAGGGGAAGAAAAAGAAACGGGCCGCAACCGCAGTATCATGCTGGCCAAAAGATCATCATT  
 AGGACGGAGGCACGCCTCAAGGAATAGGCTCCCTAGTGTTCATGCGGTTATCGTCATCTTTTTGGA  
 GTTTTTGCTTGGGACTACTGACAGCACCCACATTGGTGGTATTGCATGAAACCTTCCCTAAACATA  
 TTTCTGATGAATGGCCTAATCAAGGAGTAAAGGGTTTGTGCTTCTCAGTGCCCACTTATTGGTG  
 CTCTTTCTGATGTTGGGGCCGAAAATCCTTCTGCTGCTAACAGTGTTCACATGTGCCCTATTCC  
 TCTAATGAAGATCAGCCCATGGTGGTACTTTGCAGTTATCTGTCTTCTGGGGTTTTGCAGTAACATTC  
 TCTGTGGTATTGCATATGTAGCAGATAAACAAGAGCATGAAAGAAGTATGGCTTATGGGCTGGTTT  
 CCGCTACATTGCTGCCAGCTTAGTTACCAGCCCTGCAATTGGAGCCTACCTGGACGAGTGTATGGAGA  
 CAGCTTAGTGGTGGTCTTGGCTACAGCAATAGCCCTGCTAGACATCTGTTTTATCCTTGTGCTGTGCCA  
 GAGTCATTGCCTGAGAAGATGAGGCCAGCATCGTGGGGCGCTCCCATTTCTGGGAACAGGCTGACCCCT  
 TTGCATCTTTAAAAAAGTGGGCCAAGATTCCATAGTGCTGCTGATCTGTATCACGGTGTCTCTCCTA  
 CCTACCGAAGCAGGCCAGTACTCCAGCTTCTTCTTATACCTCAGACAGATAATGAAATTTCCCGAGAA  
 AGTGTGGCAGCTTTTATAGCGGTCTTGGCATTCTGTCCATTATTGCACAGACCATAGTCTTGAGTTTAC  
 TCATGAGGTCAATTGGAAATAAGAATACCATCTTACTCGGTCTGGGATTTCAAATATTGCAGCTGGCATG  
 GTACGGCTTTGGTTCAGAACCTTGGATGATGTGGGCTGCTGGGGCAGTGGCAGCCATGTCTAGCATCACC  
 TTTCCAGCTGTTAGTGCCTGGTTTACGGACTGCTGATGCCGATCAACAGGGTGTGTTTCAGGGAATGA  
 TAACAGGAATCCGAGGACTGTCAATGGTCTGGGACCAGCCCTTATGGCTTCATTTTCTACATATTCCA  
 TGTGGAACCTTAAAGAACTGCCAATCACAGGGCCAGACCTGGGGACAACACAAGCCCTCAGCACCACTTT  
 GAACAGAATTCATCATCCCTGGTCCCCCTTCTCTTTGGAGCCTGCTCAGTACTGCTGGCTCTGCTCG  
 TTGCCTTGTATTCCGGAGCATACTAATTTAAGTTAAGGTCCAGCAGTTGGAGGAAGCATTGTGGTGG  
 TCACAGCCATCTCACAGTACACAAGCGCCAGGAGAGGCCAAAGAACCCTTACTCCAGGACACGAATGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211817 representing NM\_001106467  
 Red=Cloning site Green=Tags(s)

MTQGKKKRAANRSIMLAKKIIKDGTPQGIGSPSVYHAVIVIFLEFFAWLLTAPTLVVLHETFPKHT  
 FLMNGLIQGVKGLLSFLSAPLIGALSDVWGRKSFLLLVFFTCAPLPMKISPWWYFAVISVSGVFAVTF  
 SVVFAYVADITQEHERSMAYGLVSATFAASLVSPAIGAYLGRVYGDSL VVVLATAIALLDICFILVAVP  
 ESLPEKMRPASWGAPISWEQADPFASLKKVQDSIVLLICITVFLSYLPEAGQYSSFFLYLRQIMKFSPE  
 SVAAFIAVLGILSIIAQTIVLSLLMRSIGNKNTILLGLGFQILQLAWYGFGESEPMWMAAGAVAAMSSIT  
 FPAVSALVSRADADQQGVVQGMITGIRGLCNGLGPALYGFIFYIFHVELKELPITGPDLTNTSPQHFF  
 EQNSIIPGPPFLFGACSVLLALLVALFIPHTNLSLRSSWRKHCGGHSHPHSTQAPGEAKEPELLQDTNV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

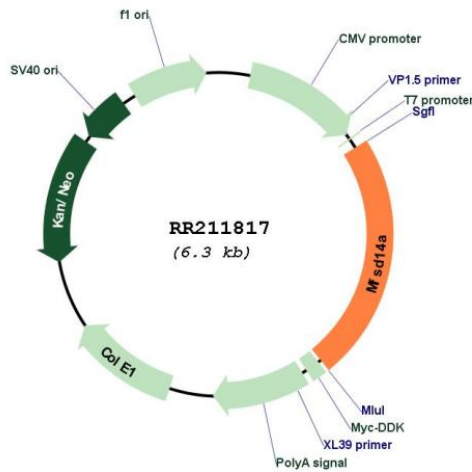
**Restriction Sites:**

SgfI-MluI

## Cloning Scheme:



## Plasmid Map:



ACCN:

NM\_001106467

ORF Size:

1470 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.
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\\_001106467.3](#), [NP\\_001099937.1](#)

**RefSeq Size:** 2727 bp

**RefSeq ORF:** 1473 bp

**Locus ID:** 100134827

**Cytogenetics:** 1q12

**MW:** 53 kDa