

Product datasheet for **RR214035**

Gpihbp1 (NM_001130547) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpihbp1 (NM_001130547) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gpihbp1
Synonyms: RGD1564237
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214035 representing NM_001130547
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGCTCTCAGGGCTGTCCTCCTGATCTTGCTACTCAGTGGACAGCCAGGGAGCAGCTGGGCACAAG
AAGCTGGCGATGTGGACCTGGAGCTAGAGCGCTACAGCTACGATGATGACGGTGATGACGATGATGACGA
TGATGAAGAAGAGGAAGAGGAGGAGACCAACATGATCCCTGGCAGCAGGGACAGAGCACCCTCTACAG
TGCTACTTCTGCCAAGTGCTTCACAGCGGGGAGAGCTGCAACGAGACACAGAGCTGCTCCAGCAGCAAGC
CCTTCTGTATCACAGTCATCTCCATGGCAAACTGACACAGGTGTCCTGACGACCTACTCCATGTGGTG
TACTGATACCTGCCAGCCATCGTGAAGACAGTGGACAGCACCCAAATGACCCAGACCTGTTGCCAGTCC
ACACTCTGCAATATTCCACCCTGGCAGAGCCCCAAATCCACAACCCTCTGGGTGGCCGGGAGACAGCC
CCTTGAAGGGTGGGACCAGACATCCTCAAGGTGACAGGTTTAGCCACCCCAGGTTGTCAAGGTTACTCA
TCCTCAGAGCGATGGGGCTCACTTGTCTAAGGGTGGCAAGGCTAACCCAGCCCCAGGAAATGGGGCCGGA
TTCCCTGCAGGCTGGAGCAAATTTGGTAACGTAGTTCTCCTGCTCACCTCCTCACCAGTCTGTGGGCAT
CAGGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214035 representing NM_001130547
Red=Cloning site Green=Tags(s)

MKALRAVLLILLLSGQPGSSWAQEAGDVLELERYSYDDDGDDDDDDDEEEEEETNMIPGSRDRAPPLQ
 CYFCQVLHSGESCNETQSCSSSKPFCITVISHGKTDGTGLTYSMWCTDTCQPIVKTVSDSTQMTQTCCQS
 TLCNIPPWQSPQIHNPLGGRADSPLKGGTRHPQGDRFSHPQVVKVTHPQSDGAHL SKGGKANQPQGNAG
 FPAGWSKFGNVLLLLTFLTSLWASGA

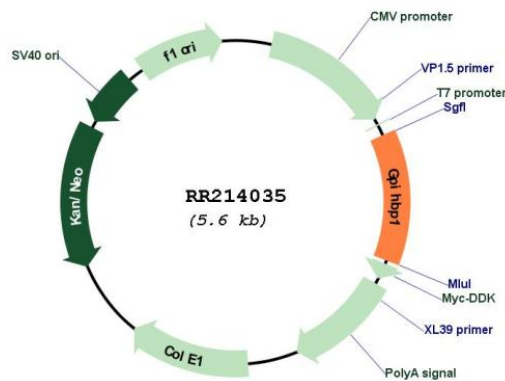
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130547

ORF Size: 708 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001130547.1](#), [NP_001124019.1](#)

RefSeq Size: 2080 bp

RefSeq ORF: 711 bp

Locus ID: 300027

Cytogenetics: 7q34

MW: 25.6 kDa