

Product datasheet for **RR202229**

Abhd16b (NM_001014052) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abhd16b (NM_001014052) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abhd16b
Synonyms:	RGD1309726
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR202229 representing NM_001014052
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGTGTCATCTGCTTTGTGAAGGCACTAGTACACGTGTTCAAGATCTACTTGACAGCAAACACTACAGTT
 ACAACTCCGCGAGCTGGCCGGTGGACTTCCGCTGGGATGACCTGCATGTCCCAGGCACTAATAATAGCAG
 TACCCTGCATTGACCTGTGCTGCACTGCCGAGGTGTGTGGCTGCTACATGATGCGGCCCTGGCGAG
 GACGCACTCACAAGGCTCCACGTGGAGCTCGGAGCCAAGTGCAGTGCCTCCTCCAGCAGATCCGTGAGC
 TGCCAGCCAGCTCGCTAGCTATGCACTGGCACACTCACTGGGCCGCTGGCTTGTATACCCGGTTCTAT
 GTTCTTGATGACGCGCACTATTGCCTCTACTGCAGCAGGGCCAGGAGCGACTAGTGGACCGCTACCGT
 GGGCGCGTGCCAAGTTGGTGGCTGCGATGGCAATGAGATTGACACCATGTTTCATGGATCGCCGGCAGC
 ATCCCGCAGCCATGGCCGGCCCTGTGCCTGGTTATATGCTGTGAAGGGAATGCTGGCTTCTACGAGAT
 GGCTGCCTGTCCGCACCTCTGGAGGCTGGATACTCAGTCTAGGCTGGAACCACCTGGCTTTGGGGC
 AGCACAGTGCACCTTTCCACAACATGATGCAATGCAATGGATGTGGTGGTCAAATATGCGCTGCACC
 GCCTGCATTTCTACCAGCAAATGTGGTGGTTATGGCTGGTCTATAGGAGGCTTACAGCCACTTGGGC
 CACCATGACTTACCCAGAAGTGGGTGCACTAGTGTGGATGCCACCTTTGATGATCTTGTGCCACTAGCG
 CTGAAGGTTATGCCCCAGAGTTGGAAGGGGCTGGTAGTACGCACTGTACGGGAGCACTTCAACCTCAATG
 TTGCTGAGCAGCTGTGCTGTACCCAGGCCAGTACTCTTGTCTAAGACGTACACAAGATGATGTTGTCAG
 CACCTCGGGCCATGTACCCTCGTTGCCATCTTGCCAAGTGGAGGGCGATGTGAAGGTAACCGTGGCAAT
 GAGCTGCTGTTGGCCTTCTGGAGCACAGATACCCCTCTGTGATGGCCGTGAGGGCCGACAGTGGTAA
 TCCGCTGGTACGTGCCAGCAACTGGCTCAAGAACTGCATTATGCACGCTACCACGTGATGATGATGA
 GTGGTGTGGCAACACTTCGTTCTTATCGTGAGGGCCGCGAGAAGGATTTGGACCATACCAAGACCTGG
 GGGCCACACGGACCTTCCCTTCCCTGGTTGCTGGGCCAAGGTTTGGAGCGCCGGCCGGCCGACCTTG
 CACTGTTCTTGGCACGTAGGCACCTCAAGAACCTGGAGGCAACTCACTGCAGTCCCTTGGAGCCTGAAGA
 CTTCGAATTGCCCTGGAGACTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202229 representing NM_001014052
 Red=Cloning site Green=Tags(s)

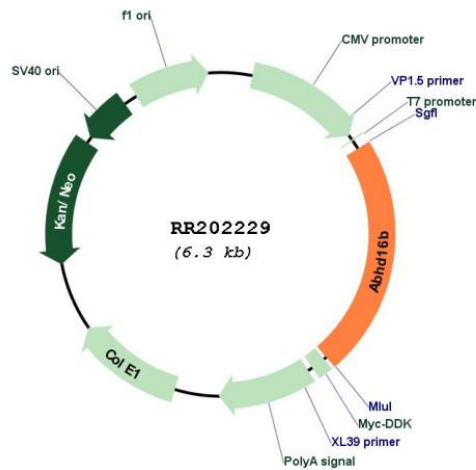
MCVICFVKALVHFVKIYLTANYSYNFRSWPVDFRWDLLHVPGTNNSSHRALTCAAAAAGVLLHDAALGE
 DALTRPPRGARSQVQCLLQQIRELPSQLASYALAHSLGRWLVYPGSMFLMTRALLPLLQQQERLVDRYR
 GRRAKLVACDNEIDTMFMDRRQHPGSHGRGLCLVICCEGNAGFYEMGCLSAPEAGYSVLGWNHPGFGG
 STGAPFPQHDANAMDVVVKYALHRLHFSPANVVYVYIGGFTATWATMTYPELGALVLDATFDDLPLA
 LKVMPSQWKGLVVRTVREHFNLNVAEQLCCYPGPVLLLRRTQDDVVSTSGHVPSPSCQVEGDVEGNRGN
 ELLLRLLLEHRYPSVMAREGRTVIRWLRASNLAQETALYARYHVDEWCLATLRSYREGRQKDLDHKTW
 GPHGPSFPWFVQGLSARRRRHLALFLARRHLKNLEATHCSPLEPEDFQLPWRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001014052

ORF Size:

1422 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_001014052.2](#), [NP_001014074.1](#)

RefSeq Size: 1925 bp

RefSeq ORF: 1425 bp

Locus ID: 311720

UniProt ID: [Q5XIL6](#)

Cytogenetics: 3q43

MW: 53.7 kDa