

Product datasheet for **RR211464**

Acbd5 (NM_001077635) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acbd5 (NM_001077635) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acbd5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR211464 representing NM_001077635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACACACGATCAGTGTATGAAACCAGGTTTGGGCGCCGTGAAGGTGATCCAAGTTTGCCGA
 AAAATGGATCATTCCAGCCAACGAATGAAATGATGCTCAGGTTCTACAGTTCTACAAGCAGGCAACTGA
 AGGACCTGTAAACTCTCAAGGCCCGGTTCTGGGATCCTATTGGAAGATATAAATGGGATGCTTGGAGT
 TCCCTGGGTGATGACTAAAGAAGAAGCCATGATTGCATATGTTGAAGAAATGAAAAAGATTATTGAAA
 CTATGCCCATGACTGAGAAAGTGAAGAGTTGCTACATGTTATAGGTCCATTTTATGAGATTGTAGAAGA
 CAAAAAGAACAGCAAGAGTTCTGACTTGACCTCAGATCTTGGTAAATGTTCTGACCTCTTCAAATGCCAAA
 GCTGTTAATGGTAAAGCAGAGAGCAGTGATAGTGGGGCTGAGTCTGAGGAAGAAGAGGCCCAAGAAGAGT
 TAAAAGGAGCAGAACAGAGTGGCAGTGATGATAAGAAAATGATGACAAAAATCAACAGATAAGAATTTGGA
 AATCATTGTTACCAATGGCTATAAAGATAGCTTTGCTCAGGACAGTGACATTCATACTGATTCTTCCCGG
 AGTGCCAGACGAAGTGAAGACAAAAAGCCTACAGACCAGAGCTCTCAGCAGACAGGAAACTGTCTCT
 CGGTTACCAAGATACAACGAAGACCCCGGTGAAGACGCTTCAGGAGTACATCATCTGACAAGTGACTC
 AGATAGTGAAGTATACTGTGATTCTATGGAGCAATTTGGACAAGAGGAGTATTACTTAGGTGGTGATCCT
 GCTCAGCACTTGAAGGTTCTGGTTTTTGTGAAGATGCTCAACTCTCTCTGGGAATGGCAGCATTGGGA
 AAATGCAGATGAGAGCAGTCAAGGGAAAAGGTGAAGTGAAGCAGGAGGAGAAGATGGCAGAAGTAGCAG
 TGGAACGCCGACCGTGAGAAGAGAGCCGAGAGAGTGAAGACATCTCCGGTGTGAGGAGAGGGAGAGTA
 GGGCATAGAATGCCACATTTGAGTGAAGGAACCAAGGGTCGGCAAGTAGGAAGTGGAGGTGATGGAGAAC
 GCTGGGGCTCAGACCCGAGGGTCCAGAGGCAGCCTCAATGAGCAGATCGCTTTGTGCTCATTAGATTGCA
 GGAGGACATGCAGAATGTTCTTCAGAGACTTCATAAACTGGAACACTAACTGCTTCGAGGCGAAATTA
 TCATGGCAGACAAGTAATCAGCCCTCTCACAGAGACCATCTTGGTGGCCCTTTGAGATGTCCCCTGGTG
 CATTAGCTTTTGCTATTATATGGCCTTTTATTGCTCAGTGGTGGTGATTTGTATTATCAAGAAGGAG
 AAGAAAATAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211464 representing NM_001077635
 Red=Cloning site Green=Tags(s)

MADTRSVYETRFEAAVKVIQSLPKNGSFQPTNEMMLRFYSFYKQATEGPCKLSRPGFWDPIGRYKWD
 AWSSLDGMTKEEAMIAYVEEMKKIIEITMPMTEKVEELLHVIGPFYIEVEDKKNSSDLTSDLGNVLTSSNAK
 AVNGKAESSDSGAESSEEEAEELKGAEQSGSDDKMMTKSTDKNLEIIVTNGYKDSFAQDSIHTDSSR
 SARRSEDKKPTDQSSQQTGNTVLCVHQDTNEDPGEDASGVHHLTSDSDSEVYCDSEMEQFQEEYYLGGDP
 AQHLEGSFCEDAQLSPNGSIGKMQMRAVKGGEVKGHGEDGRSSSGTPHREKRGGESEDISGVRRGRV
 GHRMPLHSEGTKRQVGSDDGERWGSDRGRSLSNEQIALVLIQLQEDMQNVLQRLHKLETLTASQAKL
 SWQTSNPSSQRPSPWPFEMSPGALAFAIWPFIAQWLVLHYQRRRRKLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

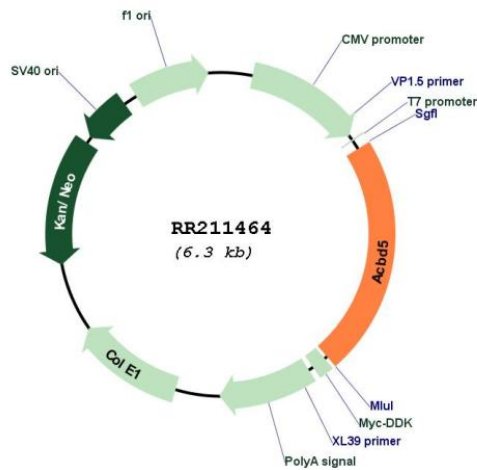
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001077635

ORF Size: 1413 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:	<ol style="list-style-type: none">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:	<u>NM_001077635.1</u> , <u>NP_001071103.1</u>
RefSeq Size:	1546 bp
RefSeq ORF:	1416 bp
Locus ID:	307170
UniProt ID:	<u>A0FKI7</u>
Cytogenetics:	17q12.3
MW:	52.5 kDa
Gene Summary:	Acyl-CoA binding protein which acts as the peroxisome receptor for pexophagy but is dispensable for aggrephagy and nonselective autophagy. Binds medium- and long-chain acyl-CoA esters (By similarity).[UniProtKB/Swiss-Prot Function]