

Product datasheet for **MG208174**

Acbd5 (BC084584) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acbd5 (BC084584) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Acbd5
Synonyms:	1300014E15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208174 representing BC084584
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTCTTCTCGCGTTTCATGCAGGCTCTGGGGAAGCTGGTGTGCTGCTGTGTGATTACCGCGG
 ACAGACCTTGGACCGAGCCGCGCTGGCAGCTGGAGATGGCGGACACACCGTCAGTGTATGAAACCAG
 ATTTGAGGCGGCCGTGAAGGTGATCCAGAGTTTGCCGAAAAATGGATCATTCCAACCAACAAATGAAATG
 ATGCTTAAGTTCTATAGCTTCTACAAACAGGCAACTGAAGGACCTGTAACTTTACGCGCTGGATTCT
 GGGATCCTATTGGAAGATATAAATGGGATGCTTGGAGTTCAGTGGGTGATGACTAAAGAAGAAGCCAT
 GATTGCATATGTTGAAGAAATGAAAAAGATTATTGAAACCATGCCATGACTGAGAAAAGTGAAGAGTTG
 CTGCATGTTATAGGTCCATTTACGAGATTGTAGAAGACAAAAAGAGCAGCAAGAGTTCTGACTTGACCT
 CAGATCTTGGTAATGTTCTGACCTTTCAAATGCCAAGCTGTTAATGGTAAAGCAGAGAGCAGTGATAG
 TGGGGCTGAGTCTGAAGAAGAAGAGGCCCAAGAAGAGTTAAAAGGAGCAGAACAGAGCGGCAGTGATGAT
 AAGAAAACGCTGAAGAAATCAGCAGATAAGAATTTGGAATCATTGTTACCAATGGCTATAAAGGTAGCT
 TTGTTCCAGGATATACAGAGTGACATTCATACTGATTCTTCCCGGAGCACCAGAAGCAGTGAAGATGAAAA
 GCCTGGAGATGAGAGCTCTCAGCAGACAGGACACACCATTTGTCTGTGCTACCAAGATAGAAATGAAGAT
 CCCAGTGAAGATGCTTCAGGAATACACCATTTAACAAGTGATTGAGATAGTGAAGTGTACTGTGACTCTA
 TGGAGCAATTTGGACAAGAAGAGTATTATTTAGGTGGTGATCCTACTCAGCACTTGGAAAGTTCTGGTTT
 TTGTGAAGATGCTCAGCAATCTCCTGGAATGGCAGCATTTGGGAAAAATGTGGATGGTAGCAGTCAAAGGA
 AAAGCGAAGTGAACACGGAGGAGAAGATGGCAGAAGTAGCAGTGGAGCACCACCGTGGAGCAGAGAG
 GTGGAGAGAGCGAGGACTTCTCCAGTGTGAGGAGGGAGAGGGAATAGAATACCACATTTGAGCGAAGG
 ACCCAAGGGTCGGCAAGTAGGAAGTGGAGGTGATGGAGAACGCTGGGGCTCAGACCGGGGTCCAGAGGC
 AGCCTCAATGAGCAGATCGCTCTTGTGCTCATTAGATTGCAGGAGGACATGCAGAATGTCCTTCAGAGAC
 TTCATAAACTGGAAACACTAACTGCTTCGAGGCGAAATATCTTTGCAGACAAGTAATCAGCCCTCCTC
 ACAGAGACCAGCTTGGTGGCCCTTTGAGATGTCCCTGGTGCATTAGCTTTTGCTATTATATGGCCTTTT
 ATTGCTCAGTGGTTGGCACATTTGTATTATCAAAGAAGGAGAAGAAAACTAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208174 representing BC084584
 Red=Cloning site Green=Tags(s)

MLFLAFHAGSWGSWCCCCVITADRPWDRGRRWQLEMADTPSVYETRFEAAVKVIQSLPKNGSFQPTNEM
 MLKFYSFYKQATEGPCKLSRPGFWDPIGRYKWDASSLGDMTKEEAMIAYVEEMKKIETMPMTEKVEEL
 LHVIGPFYEIVEDKSSKSSDLTSDLGNVLTSSNAKAVNGKAESSDSGAEEEEEAEELKGAEQSGSDD
 KKTLLKKSADKNLEIIVTNGYKGSFVQDIQSDIHTDSSRSTRSEDEKPGDESSQQTGHTIVCAHQDRNED
 PSEDASGIHHLTSDSDSEVYCDSEMFQGEYLLGGDPTQHLESSGFCEDAQQSPNGSIGKMMWVAVKG
 KGEVKHGGEDGRSSSGAPHRETRGGESEDFSSVRRGRGNRIPHLSEGPKGRQVGSDDGERWGSDRGSRG
 SLNEQIALVLRQLQEDMQNVLRQLHKLTLTASQAKLSLQTSNQPSQRPAWWPFEMSPGALAFAIWPF
 IAQWLAHLYYQRRRRKLN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC084584

ORF Size: 1526 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: [BC084584](#), [AAH84584](#)

RefSeq Size: 3538 bp

RefSeq ORF: 1526 bp

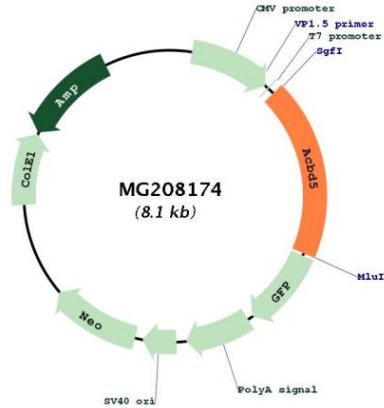
Locus ID: 74159

Cytogenetics: 2 A3

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]

Product images:



Circular map for MG208174