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Product datasheet for RC227902

ACBD4 (NM_001135707) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD4 (NM_001135707) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACBD4
Synonyms:	HMFT0700
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC227902 representing NM_001135707
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCACCGAGAAAGAAAGCCCAGAGCCCGACTGCCAGAAACAGTTCCAGGCTGCAGTGAGCGTCATCC
AGAACCTGCCCAAGAACGGTTCTTACCGCCCCTCCTATGAAGAGATGCTGCGATTCTACAGTTACTACAA
GCAGGCCACCATGGGGCCCTGCCTGGTCCCCCGGCCCGGGTTCTGGGACCCCATTGGACGATATAAGTGG
GACGCCTGGAACAGTCTGGGCAAGATGAGCAGGGAGGAGGCCATGTCTGCCTACATCACTGAAATGAAAC
TGGTGGCACAGAAGGTGATCGACACAGTGCCCCTGGGTGAGGTGGCAGAGGACATGTTTGGTTACTTCGA
GCCCCTGTACCAGGTGATCCCTGACATGCCGAGGCCCCCAGAGACCTTCCTGAGAAGGGTCACAGGTTGG
AAAGAGCAGGTTGTGAATGGAGATGTTGGGGCTGTTTCAGAGCCTCCCTGCCTCCCCAAGGAACCGGCAC
CCCCAAGCCCAGAGTCCCATTCACCCAGGGACCTGGACTCCGAGGTTTTCTGTGATTCCCTGGAGCAGCT
GGAGCCTGAGCTGAGCAGCGGGCAGCATCTGGAGGAAAGCGTGATCCCAGGAACAGCCCCGTGCCCCCCA
CAAAGAAAGAGGGGTTGCGGGGCAGCCCGCCGGGGCCCCAGGAGTTGGACGTGTGGCTGCTGGGGACAGT
TCGAGCACTACAGGAGAGCATGCAGGAGGTGCAGGCGAGGGTGCAGAGCCTGGAGAGCATGCCCCGGCCC
CCTGAGCAGTCTCACTCTGTCGGTCAGACTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

>RC227902 representing NM_001135707
Red=Cloning site Green=Tags(s)

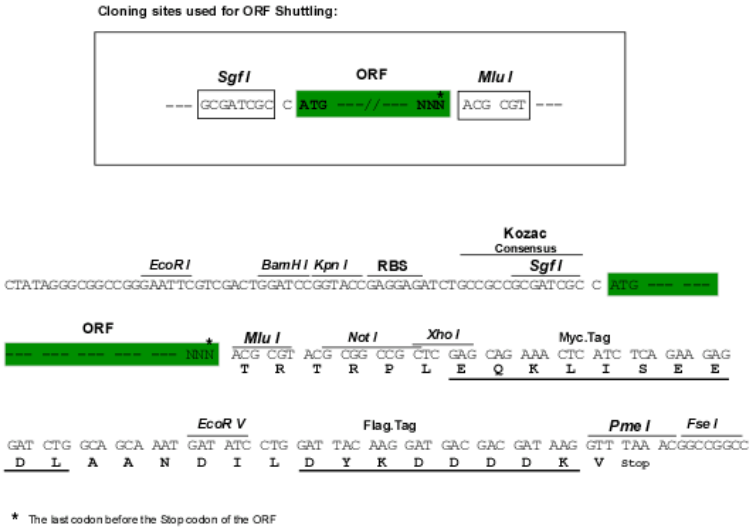
MGTEKESPEPDCQKQFQAAVSVIQNLPKNGSYRPSYEEMLRFYSYYKQATMGPCLVPRPGFWDPIGRYKW
DAWNSLGKMSREEAMSAYITEMKLVAQKVIDTVPLGEVAEDMFGYFEPLYQVIPDMPRPPETFLRRVTGW
KEQVVNGDVGAVSEPPCLPKEPAPPSPESHSPRDLDSEVFCDSLEQLEPELSSGQHLEESVIPGTAPCPP
QRKRGCGAARRGPRSWTCGCWGQFEHYRRACRRCRRGCRAWRACPGPLSSLTLSVRLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001135707

ORF Size: 804 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).

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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001135707.3

RefSeq ORF: 807 bp

Locus ID: 79777

UniProt ID: Q8NC06

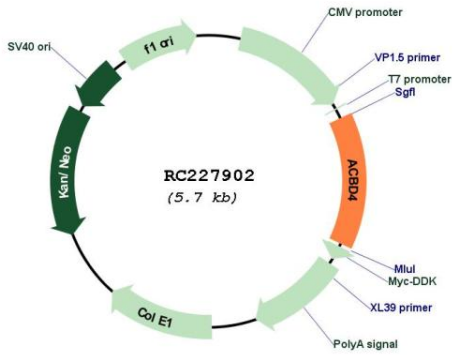
Cytogenetics: 17q21.31

Protein Families: Transmembrane

MW: 30.1 kDa

Gene Summary: This gene encodes a member of the acyl-coenzyme A binding domain containing protein family. All family members contain the conserved acyl-Coenzyme A binding domain, which binds acyl-CoA thiol esters. They are thought to play roles in acyl-CoA dependent lipid metabolism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC227902

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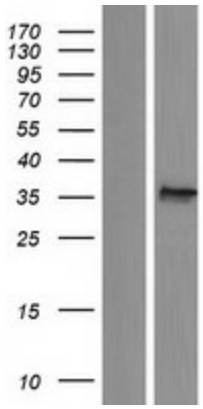

Western blot validation of overexpression lysate (Cat# [LY427681]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227902 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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