

Product datasheet for **RC206781**

ACBD4 (NM_024722) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD4 (NM_024722) 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:	>RC206781 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCACCGAGAAAGAAAGCCAGAGCCGACTGCCAGAAACAGTTCCAGGCTGCAGTGAGCGTCATCC
AGAACCTGCCAAGAACGGTTCTTACCGCCCTCCTATGAAGAGATGCTGCGATTCTACAGTTACTACAA
GCAGGCCACCATGGGGCCCTGCCTGGTCCCCGGCCGGGTTCTGGGACCCATTGGACGATATAAGTGG
GACGCCTGGAACAGTCTGGCAAGATGAGCAGGGAGGAGGCCATGTCTGCCTACATCACTGAAATGAAAC
TGTTGGCAGAGAGGTGATCGACACAGTGCCCTGGGTGAGGTGGCAGAGGACATGTTTGGTTACTTCGA
GCCCTGTACCAGGTGATCCCTGACATGCCGAGGCCCCAGAGACCTTCTGAGAAGGGTACAGGTTGG
AAAGAGCAGGTTGTGAATGGAGATGTTGGGGCTGTTTCAGAGCCTCCCTGCCTCCCAAGGAACCGGCAC
CCCAAGCCCAGAGTCCCATTCACCCAGGGACCTGGACTCCGAGGTTTTCTGTGATTCCTGGAGCAGCT
GGAGCCTGAGCTGGTTTGGACAGAGCAGCGGCAGCATCTGGAGGAAAGCGTGATCCAGGAACAGCCCC
GTGCCCCCACAAGAAAGAGGGGTTGCGGGCAGCCCGGGGCCAGGAGTTGGACGTGTGGCTGC
TGGGGACAGTTCGAGCACTACAGGAGAGCATGCAGGAGGTGCAGGCGAGGTTGCAGAGCCTGGAGAGCAT
GCCCGGGCCCCCTGAGCAGAGGCCCGAGCCAGGCCAGTGCTCGGCCATGGCCCTTGGCTCCCGGGG
CCCGCGTGTCTTCTTCTCCTGTGGCCCTTCGTCGTCCAGTGGCTCTTCCGAATGTTTCGGACCCAAA
AGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206781 protein sequence
Red=Cloning site Green=Tags(s)

MGTEKESPEPDCQKQFQAAVSVIQNLPKNGSYRPSYEMLRFYSYYKQATMGPCLVPRPGFWDPIGRYKW
 DAWNSLGKMSREEAMSAYITEMKLVAQKVIDTVPLGEVAEDMFGYFEPL YQVIPDMPPPETFLRRVTGW
 KEQVYNGDVGVAVSEPPCLPKEPAPPSPEHSPRDL DSEVFCDSLEQLEPELVWTEQRAASGGKRDPRNSP
 VPPTKKEGLRGSPPGPQELDVWLLGTVRALQESMQEVQARVQSLESMRPPPEQRPQPRPSARPWPLGLPG
 PALLFLLWPFVVQWLF R M F R T Q K R

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6329_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024722

ORF Size: 915 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_024722.4](#)

RefSeq Size: 2048 bp

RefSeq ORF: 918 bp

Locus ID: 79777

UniProt ID: [Q8NC06](#)

Cytogenetics: 17q21.31

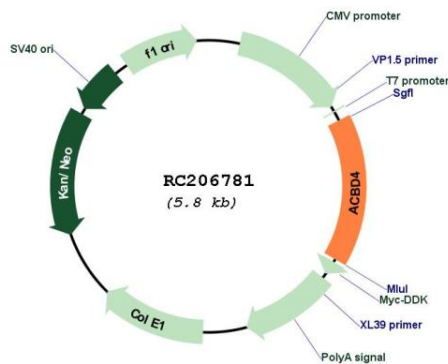
Domains: ACBP

Protein Families: Transmembrane

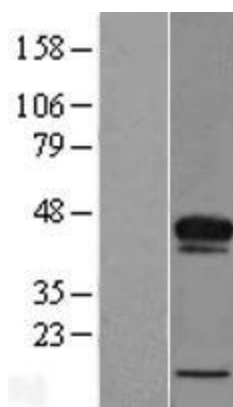
MW: 34.8 kDa

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]

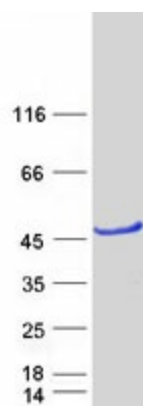
Product images:



Circular map for RC206781



Western blot validation of overexpression lysate (Cat# [LY427679]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC227776] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ACBD4 protein (Cat# [TP306781]). The protein was produced from HEK293T cells transfected with ACBD4 cDNA clone (Cat# RC206781) using MegaTran 2.0 (Cat# [TT210002]).