

Product datasheet for **RG208434**

ACBD3 (NM_022735) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD3 (NM_022735) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ACBD3
Synonyms:	GCP60; GOCAP1; GOLPH1; PAP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208434 representing NM_022735
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGGTGCTGAACGCAGAGCGACTCGAGGTGTCCGTGCAGCGCCCTCACGCTCAGCCCGACCCGG
 AGGAGCGCCCTGGGGCGAGGGCGCCCGCTGCTGCCGCCACCGCTGCCACCGCCCTCGCCACCTGGATC
 CGGTGCGCGGCCCGGGCGCCTCAGGGGAGCAGCCCGAGCCCGGGAGGCGCGCGCTGGGGCGCGCGGAG
 GAGGCGCGCGGCTGGAGCAGCGCTGGGGTTTCGGCCTGGAGGAGTTGTACGGCCTGGCACTGCGCTTCT
 TCAAAGAAAAAGATGGCAAAGCATTTTCATCCAACCTATGAAGAAAAATTGAAGCTTGTGGCACTGCATAA
 GCAAGTCTTATGGGCCATATAATCCAGACACTTGTCTGAGGTTGGATTCTTTGATGTGTTGGGAAT
 GACAGGAGGAGAGAATGGGCAGCCCTGGAAACATGTCTAAAGAGGATGCCATGGTGGAGTTTGTCAAGC
 TCTTAAATAGGTGTTGCCATCTCTTTCAACATATGTTGCGTCCACAAAATAGAGAAGGAAGCAAGA
 AAAAAAAGGAAGGAGGAAGAGGAGCGAAGGCGCGCTGAAGAGGAAGAAAGAGAACGTCTGCAAAAGGAG
 GAAGAGAAACGTAGGAGAGAAGAAGAGGAAAGGCTTCGACGGGAGGAAGAGGAAAGGAGACGGATAGAAG
 AAGAAAGGCTTCGGTTGGAGCAGCAAAAGCAGCAGATAATGGCAGCTTAAACTCCCAGACTGCCGTGCA
 GTTCCAGCAGTATGCAGCCCAACAGTATCCAGGAACTACGAACAGCAGCAAAATCTCATCCGCCAGTTG
 CAGGAGCAACACTATCAGCAGTACATGCAGCAGTTGTATCAAGTCCAGCTTGACAGCAACAGGCAGCAT
 TACAGAAACAACAGGAAGTAGTAGTGGCTGGGTCTTCTTGCCTACATCATCAAAAGTGAATGCAACTGT
 ACCAAGTAATATGATGTCAGTTAATGGACAGGCCAAAACACACTGACAGCTCCGAAAAAGAACTGGAA
 CCGGAAGCTGCAGAAGAAGCCCTGGAGAATGGACAAAAGAATCTCTCCAGTAATAGCAGCTCCATCCA
 TGTGGACACGACCTCAGATCAAAGACTTCAAAGAGAAGATTTCAGCAGGATGCAGATCCGTGATTACAG
 GGGCCGAGGAGAAGTGGTCACTGTTTCGAGTACCCACCCATGAAGAAGGATCATATCTCTTTGGGAATTT
 GCCACAGACAATTATGACATTGGGTTTGGGTGTATTTTGAATGGACAGACTCTCAAACACTGCTGTCA
 GCGTGCATGTCAGTGAGTCCAGCGATGACGACGAGGAGGAAGAAGAAAACATCGTTGTGAAGAGAAAGC
 CAAAAAGAAATGCCAACAGCCTTTGCTGGATGAGATTGTGCCTGTGTACCGACGGGACTGTCATGAGGAG
 GTGTATGCTGGCAGCCATCAATATCCAGGGAGAGGAGTCTATCTCCTCAAGTTTGACAACCTACTCTT
 TGTGGCGGTCAAATCAGTCTACTACAGAGTCTATTATACTAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208434 representing NM_022735
 Red=Cloning site Green=Tags(s)

MAAVLNARLEIVSDGLTLSPDPEERPGAEGAPLLPPPLPPPSPGSGRPGASGEQPEPGEAAAGGAAE
 EARRLEQRWGFLEELYGLALRFFKEKDGKAFHPTYEELKLVALHKQVLMGPYNPDTCEVGFDFVLGN
 DRRREWAALGNMSKEDAMVEFVKLLNRCCHLFSTYVASHKIEKEEQEKRRKEEEERRRREEERERLQKE
 EEKRRREEERLRREEEERRRIEERLRLEQQKQQIMAALNSQTAVQFQQYAAQYQPNYEQQILIRQL
 QEQHYQQYMQQLYQVQLAQQQAALQKQEVVVAGSSLPTSSKVNATVPSNMMSVNGQAKHTDSSEKELE
 PEAAEEALENGPKESLPVIAAPSMWTRPQIKDFKEKIQQDADSVITVGRGEVVTVRPTHEEGSYLFWF
 ATDNYDIGFVYFEWTDSPNTAVSVHSESSDDDEEEENIGCEEKAKKNANKPLLDEIVPVYRRDCHEE
 VYAGSHQYPGRGVYLLKFDNSYSLWRSKSVYYRVYYTR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_022735

ORF Size: 1584 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_022735.3](#), [NP_073572.2](#)

RefSeq Size: 3581 bp

RefSeq ORF: 1587 bp

Locus ID: 64746

UniProt ID: [Q9H3P7](#)

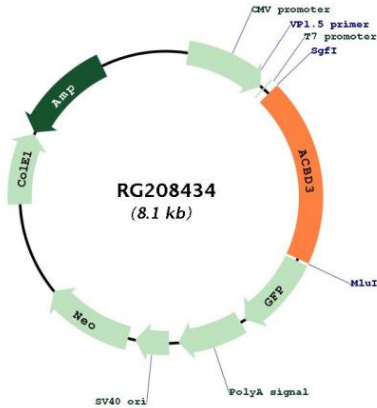
Cytogenetics: 1q42.12

Domains: ACBP

Protein Families: Druggable Genome

Gene Summary: The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is involved in the maintenance of Golgi structure and function through its interaction with the integral membrane protein giantin. It may also be involved in the hormonal regulation of steroid formation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208434