

Product datasheet for **RC226418**

ADGB (NM_024694) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ADGB (NM_024694) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ADGB |
| Synonyms: | C6orf103; CAPN16 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC226418 representing NM_024694 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCAACCAAACCAAAAAGAAAGAGGTGCATCGTATCAACTCGGCGCACGGATCGGATAAATCGA
AAGATTTCTATCCTTTGGCAGTAAATGTACAATCTGGTCTACTGAACAAAAGAAGGGAAATCCCCT
CTGGCCAGAGTGGAGTGAAGCTGACATAAATTCAGAAAAGTGGGATGCAGGCAAAGGTGCAAAAGAAAAG
GACAAAACAGGAAAAGCCCTGTATTTCTTTTTGAGGACCCTGAAGGAAAGATTGAGTTACCACCAT
CCTTGAAAATTTATTCTGGAAACGTCCACAAGATATTTTATTTAGTCAGACTCCAGTAGTTGTGAAAA
TGAAATCAGTTTGACTTATTTTCAGCAAATGAACATTTACTCTGCAGCGAGCTGATGAGATGGATTATC
AGTGAAATCTATGCAGTGTGGAAGATCTTCAATGGAGGAATTTGAGCAATATTTTAAGGGGACTTCAG
GGGAACCTCCTCTTCTCCCTGGAAGCCCTGGGAACACATATACTCTCTGTGCAAGGCTGTGAAGGGTCA
TATGCCTTTGTTCAATAGCTATGGAAGATGTTGTGAACTTTACTGGATGGGTTGCTGGGAAAGATA
ACAATTGATGACTTTTGCCTTTTGATGAAGATAACAATCTATTGCTTCCAGCTACAACCTATGAATTTG
AACTGTGGCCAAATGCTTTTGTCTAAAGCTATTATCAAGCTGGCAAATATTGACATCCATGTAGCAGACAG
GAGAGAGCTGGGGAGTTCACGGTTATTCATGCGCTCACAGGATGGTTACCAGAAGTCATTTCTCTTCC
CCGGGATATATGGACAAAGTTTGGGAGCTCCTGAAAGAAAATTTGCTGAGTTAAAGCTGTCAGATGAGG
CCAGCTCTGAAAGCAAAATAGCAGTGTAGATTCTAAATTTAAAGAACCAGGGAAAAGAAGGGAGGG
AAAAGAAATAAAGGATGGAAGGAAGTAAAAGACGTGAAGGAATTCAAACCTGAAAGTTCTTTGACAACA
CTAAAGGCTCCTGAGAAAAGCGACAAAGTTCCAAGGAGAAAAGCAGATGCAAGAGACATTGGAAAGAAGA
GAAGCAAAGATGGAGAAAAGAAAATTCAAATCTCACTTCAATGGTTCAAGACCCTCATCAGAAGTGCA
GTACTCTGTGCAGTCCCTATCAGATTGTTCTTCTGCAATACAGACCTCTCATATGGTCGTATATGCGACA
TTTACACCTCTTTATTTGTTGAAAACAAGATCTTTTCATTAGAGAAGATGGCAGATTCTGCTGAGAAAC
TTAGAGAATATGGGCTTTCCACATCTGTAGCCATCCTGTGCTGGTGACTAGAAGTAGGCTTTGCTCCT
GGTAGCACCAAAAACCACTCTACTCCCTGAAACTCATTCTGCAAAAAAGGAAACTGTTATA



ACAGATGAAGCTCAAGAGTTAATAGTAAAGAAGCCTGAACGGTTCCTTGAGATTTCAAGTCCATTTTTGA
 ATTATAGAATGACTCCATTTACAATTCACAGAAATGCATTTTGTGCGCTCCTTAATTAAGAAAGGAAT
 ACCTCCAGGATCTGATTTACCTCCGTCAGTGAAGTGCATTTTGTGCGCTCCTTAATTAAGAAAGGAAT
 AGTCAAATAACAAAAGCTACATCTCAGGAAAATACTGCTTCAAGATTACTTTGGAAAAGGCACAGATG
 AACAAACAGACTTTGGATTGGGTGATGCTCATCAGAGTATGATTAACCTTGGAAAAGAGAGATAGTCAG
 CCAGACCACAGCAACACAGGAAAAGTACAGGAAGAATCCAACAACAATAATAGTGTCTTAAAGAA
 ATATGGTTAGATTTTGAAGATTTCTGTATGCTTTCAAAATATATATATTTTCCACAAGCCAAGTTCAT
 ATTGCTTAACCTTCAAAAATCAGAATTAAGTTCTCAGAAGAAGAGTGTCTACTATCTATTTGTAGA
 TAGTCTAAAACCTATTGAACTACTGTTTTGCTTTTCTGCATTGGTACGCTGGGGGGAGTATGGAGCCTTA
 ACAAAGACAGTCTCCCATAGAGCCTGGACTTCTCACAGCTGAAACGTTTTCTTGGAAATCCCTGAAAC
 CAGGCAGTCTTGTCTGAAGATTCACACATATGCTACCAAGGCTACAGTGGTTCGCTGCCTGTTGGGAG
 ACACATGCTACTTCAACGCATACTCCCAGTAGGACTCCATACACATCTGCAGCATGGTGTCAATTT
 GTCATTGGGGATGAACACGTTGTACTGCCCACTTTGAACCAGAGAGCTGCCGATTTACGGAACAGTCTC
 TGTTGATTATGAAAGCTATTGAAATGTGATTGCTAATTTCAAAGATAAGGGTAAACTCTCTGCAGCTTT
 GAAGGATCTGAAACAGCTCACTACCCTGTCCCCTCCATGATAAAGAACTAACTGCACAGCACTTCAGG
 GTTTTTCATCTTTCCCTTATGGCGTTAATGAAAAAAGTTCAAATAACAAAACCTCCTCAAACTTCAAAT
 TTGCATTCGGGGCTATGGTTTTGGACTTGGAGTACTCAATTCCTCCTTGGAAAGAGGTTTCTTTAGTGGA
 ATGGCTGGACGTTAAATATTGTATGCCACAAGTGATAAAGAGTATTCTGCTGAGGAAGTAGCAGCAGCA
 ATTAATAATTAAGCCATGTGGAGAGGAACCTACGTTAGATTGCTTATGAAAGCCAGAATACCAGACACAA
 AAGAAAATACAGTGTTCAGATACTCTTCAAAAAGTTTGGGCTGATTGGAAATGAATTTAGAACAGTA
 TGCAGTTTCTCTTAAGACTAATGTTTAAAAGCAAGTCAAGTCTTTGGAAATCTATCCATGCTATCAA
 GATGAAGAACTAAGATTGCTTTTGCAGATTACTGTGACTTATCAAGAACAGCCACCAAACTTTGGT
 TTATAGATTACAGAGAAACATTTTGGTTCATCAAGACATGATTTTGGTCCCAAGTATATACTACACT
 TCCAATCTGTATCCTACACATTGTTAATGACACAATGGAGCAAGTGCCAAAGGTGTTCCAAAAGTG
 GTGCCCTATCTTATACCAAGAATAAGAAGGGATACACTTTTGTGGCGGAAGCATTACAGGCGACACAT
 ATGTAGCAGCCTCAGATGGAACTGCGTCTCATCGTTCTTCTGCTCCACTGCCATGCCTCTCTCGAGA
 CTCTCCATGCAATTCCTTGGCATAAAGGAAATCCGAGATTACTACATACCCAATGATAAGAAAATTTTA
 TTCAGGTATTCGGTTAAAGTTCTAACACCACAACCTGCTACAATACAGGTACGCACATCCAAACCAGATG
 CATTATCAAGCTGCAGGTCCTAGAAAATGAAGAACTATGGTGAAGTCCACTGGAAAAGGCCAAGCTAT
 AATCCCAGCATTCACTTCTGAAGAGTGAGAAAGTTTGAAGTCCAGTCTAGCAAGCACATTCTTTCA
 TTTCACTCTGCATCCAAGAAAGAGCAAGAAGTGTATGTTAAGAAGAAAGTCTCAGGGAATTCAGAAAT
 CCCCCAAGGGTAGAGCTGAAGTGAATACAAGACATTGGTCTACCCCTGTGGAGGAGGAACTACCAG
 TACACCCACTAGAGAAGACAGTTCAGCACACCACTGCAGAATACAAGTATATTATACAGTGTTCGGTG
 TTGTATAACAGTTGGCCTCTCACTGAAAGCCAGCTGACATTTGTTCAAGCACTGAAAGACTTAAAGAAA
 GTAATACCAAAGCTTATGGTGAAGACACGAGGAGTAAATTAAGTAAAGGAGCCAGACTCCCACTAT
 TAGTGAGGGACAAAAATCTTCAAGTAACTTCAAAAACAAGGAAAGGCAAGAAAGTCTTCTGAGAAA
 GAAAAGACAGCCAAAGAAAAACAAGCACCTCGCTTGGAGCCTCAGATATCCACTGTTACCCCTCAACAAG
 AAGACCCAAATAAACCTACTGGATTTGAGGTTGGTCACTGAACACAATGAATCAGAATATTTGAAGT
 GAAAAAGGATACAGAAAGGCAGATGAAATCCGAGCCATGAAACAAGCCTGGGAGACAACAGCCAGGA
 AGAGCAATCAAGGCTTCTCAGGCTCGTTTGCATTACCTTAGCGGTTTATTAAAGAAAACATCTGATGCTG
 AGAGTCCGCCTATATCTGAAAGCCAACTAAACAAAAGAAGAAGTAGAAACAGCTGCACGTGGCGTAAA
 AGAACCAAATCAAGAATTCTGCAAGTTCAGAGAGCAAGAGATGACACAAACAGGATCAGGGAGTGCG
 GTGTGGAAGAAGTGGCAATTGACCAAAGGCTTGAAGGATGTGGCAAAATCCACGAGTAGCGAAAAGTGGAG
 GAGTGTCTTACCAGGGAAAGAAGAGCGGAGCAGAGCACACGGAAGGAAAAATTCAAACAGGACCTCG
 TACACGATCTCAACAATTTTGGAAACATCTCCACGACTATTTCGAAAAGCACTAGAATTTATGGATTTA
 AGTCAATATGTTGGAAGACAGATACAGATCCTCTGCTGCAACAGATGAATTGAATCAGCAGCAGGCAA
 TGCAAAAGGCGGAAGAAATTCATCAGTTTGCAGACATAGGACCAGAGTCTTAGCATTGAAACATTGA
 CCAAGAAGAGCGTTGAAGTTAAAGGATGAAGTCTGGATATGTATAAGGAAATGCAGGACTCCTTAGAT
 GAAGCCCAGACAGAAAATTTTCGACATCCGGGAAGAGTACAGAAACAAATGCTGGAAAGTGAACCTAA
 AGCTGGAAGTCTGGCTGCTCAGGAAGCAGCCATGAAGCTGGAGACAGAAAAGATGACCCAGCTCCTGA
 CACACAGAAAAAAAAGAAAGGAAAGAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226418 representing NM_024694
Red=Cloning site Green=Tags(s)

MASKQTKKKEVHRINSAHGSDKSKDFYPFGSNVQSGSTEQKKGKFLWPWESEADINSEKWDAGKGAKEK
DKTGKSPVFHFFEDPEGKIELPPSLKIYSWKRPQDILFSQTPVVVKNEITFDLFSANEHLLCSELMRWII
SEIYAVWKIFNGGILSNYFKGTSGEPLLPWKPWEHIYSLCKAVKGHMPLFNSYGKVVVLYWMGCWRKI
TIDDFLPFDEDNLLLPATTYEFELWPMLLSKAIKLANIDIHVADRRELGFEFTVIHALTGWLPEVISLH
PGYMDKVVWELLKEILPEFKLSDEASSEKIAVLDSKLEKPKGKKEGKEIKDGKEVKDVKFKPESSLT
LKAPEKSDKVPKEKADARDIGKKRSKDGKEKFKFSLHGSRPSSEVOYSVQSLSDCSSAIQTSHMVYYAT
FTPLYL FENKIFSLKEMADSAEKLREYGLSHICSHPLVTRSRSCPLVAPPKPPPLPPWKLIRQKKEVI
TDEAQELIVKKPERFLEISSPFLNYRMTPTIIPTEMHFVRSLIKKGIPPGSDLPSVSETDEATHSQTDL
SQITKATSQGNTASQVILGKGTDEQDFGLGDAHQSDGLNLEREIVSQTTATQEKSQEELPTTNNNSVSD
IWLDFEDFCVCFQNIYIFHKPSSYCLNFQKSEFKFSEERVSYLFFVDSLKPIELLCVFSALVWRGVEYGA
TKDSPPIEPGLLTAETFSWKSLLKPGSLVLKIHTYATKATVVRPLVGRHMLLFNAYSPVGHSHIHCMSVSF
VIGDEHVLPNFEPESCRFEQSLLIMKAIIGNVIANFKDKGKLSAALKDLQTAHYVPVPHDKELTAQHFR
VFHLSLWRLMKKQITKPPPNFKFAFRAMVLDLELLNSSLEEVSLVEWLDVKYCMPTSDKEYSAEEVAAA
IKIQAMWRGTYVRLLMKARIPDTKENISVADTLQKVVAVLEMNLEQYAVSLLRLMFKSKCKSLESYPCYQ
DEETKIAFADYTVTYQEPPNSWFIVFRETFLVHQDMILVPKVYTTLPICILHIVNNDTMEQVPKVFQKV
VPYLYTKNKKGYTFVAEFTGDTYVAASRWKLRLIGSSAPLPCLSRDPCNSFAIKEIRDYIIPNDKKIL
FRYSVKVLTQPATIQRVTSKPDFAIKLQVLENEETMVSSTGKGQAIIPAFHFLKSEKGLSSQSSKHILS
FHSASKKEQEVYVKKAAQGIQKSPKGRAVSAIQDIGLPLVEEETTSTPTREDSSSTPLQNYKYIIQCSV
LYNSWPLTESQLTFVQALKDLKKSNTKAYGERHEELINLGSPDSHTISEGQKSSVTSKTTRKGKEKSSEK
EKTAKEKQAPRFEPQISTVHPQQEDPNKPYWILRLVTEHNESELFEVKKDTERADEIRAMKQAWETTEPG
RAIKASQARLHLSGFIKKTSDAESPPISESQTKPEEVETAARGVKEPNKNSAGSESKEMTQTGSGSA
VWKKWQLTKGLRDVAKSTSSESGGVSSPGKEEREQSTRKENIQTGPRTSPTILETSRPLIRKALEFMDL
SQYVRKTDTPDLLQTDDELNQQQAMQKAEIHQFRQHRTRVLSIRNIDQEERLKLKDEVLDMYKEMQDSDL
EARQKIFDIREEYRNKLLAEHLKLETLAAQEAAMKLETEKMPAPDTQKKKKGGKKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8032_a06.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_024694

ORF Size: 5001 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_024694.4](#)

RefSeq ORF: 5004 bp

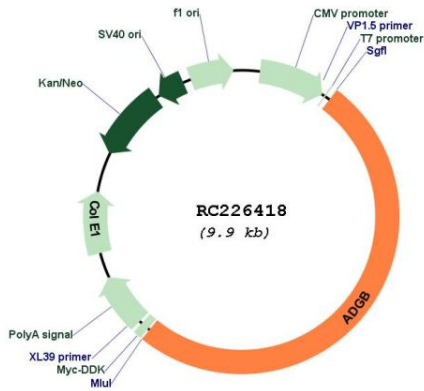
Locus ID: 79747

UniProt ID: [Q8N7X0](#)

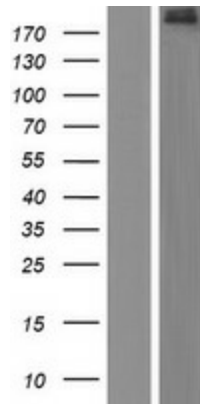
Cytogenetics: 6q24.3

MW: 189.5 kDa

Product images:



Circular map for RC226418



Western blot validation of overexpression lysate (Cat# [LY429739]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226418 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).