

Product datasheet for RC211689

AADACL3 (NM_001103170) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AADACL3 (NM_001103170) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AADACL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211689 representing NM_001103170 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGATATTTGAGAAGCTCAGAATCTGTTCTATGCCCAATTTTTCTGTTTCATGCAAGATCTGCCTCCGC
TAAAGTATGATCCCGATGTTGTGGTCACGGATTTCCGCTTTGGGACAATCCCTGTGAAGCTGTACCAATC
CAAGGCATCCACCTGCACCCTGAAGCCTGGCATCGTGTACTACCACGGTGGCGGGGGCGTCATGGGGAGT
TTGAAAACCCACCATGGCATATGCTCTCGTTTGTGCAAGGAGAGTGACTCCGTGGTCTGGCAGTTGGTT
ACCGCAAGTTACCTAAGCATAAGTTTCCAGTGCCAGTAAGAGACTGCTTGGTGGCCACCATCCACTTCCT
GAAGTCCCTGGATGCATATGGAGTGGATCCAGCCCGGGTGTGGTCTGCGGTGACAGTTTCGGAGGGGCA
ATAGCCGCAAGTGGTTTGTCAACAACCTTGTGGACAGGCCAGATCTGCCCGGATCCGGGCTCAGATCCTGA
TCTATGCCATTCTCCAAGCCCTGGATTTACAAACCCCTTCGTTTCAACAGAGGAAAAACATCCCCTGCT
CACCTGGAGTTTCATCTGCTACTGTTTTTTCAAACCTGGATTTTCAGCTCCTCCTGGCAAGAGGTCATC
ATGAAAGGTGCCATTTGCCTGCTGAAGTCTGGGAAAAGTACAGAAAGTGGTTGGGCCAGAAAACATCC
CTGAGAGGTTTAAGGAGAGGGGTACCAACTGAAGCCCATGAGCCCATGAATGAAGCTGCTTACTTGA
AGTAAGTGTGCTGGATGTGATGTGCTCGCCCTGATTGCAGAAGATGACATAGTGTCTCAGCTCCCG
GAAACCTGCATCGTGAGCTGTGAGTATGATGCTCTCCGGGACAATTCAGTGTGACAAGAAAAGGCTGG
AAGACCTGGGAGTGCCCGTGACCTGGCACCATATGGAGGATGGTTTCCATGGAGTGTCTCAGACCATTTGA
CATGAGCTTCTTGCACTTTCCCTGCTCCATGAGAATTCTGAGTGCATTAGTTCAATTTGTAAGGGACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211689 representing NM_001103170
Red=Cloning site Green=Tags(s)

MIFEKLRICSMPOFFCFMQDLPLPKYDPDVVVDFRFGTIPVKLYQSKASTCTLKPGIVVYHGGGGVMGS
 LKTHHGICSRCKESDSVVLAVGYRKLPHKFPVVRDCLVATIHFLKSLDAYGVDPARVVVCGDSFGGA
 IAAVVCQQLVDRPDLPRIRAQILYAILQALDLQTPSFQQRKNIPLLTSWFICYCFQNLDFSSSWQEV
 MKGAHLPAEVWEKYRKLWLPENIPERFKERGYQLKPHEPMNEAAYLEVSVVLDVMCSPLIAEDDIVSQLP
 ETCIVSCEYDALRDNSLLYKKRLEDLGPVPTWHHMDGFGHGLRTIDMSFLHFPCSMRILSALVQFVKGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8024_h08.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001103170

ORF Size: 1050 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_001103170.1](#), [NP_001096640.1](#)

RefSeq Size: 4049 bp

RefSeq ORF: 1224 bp

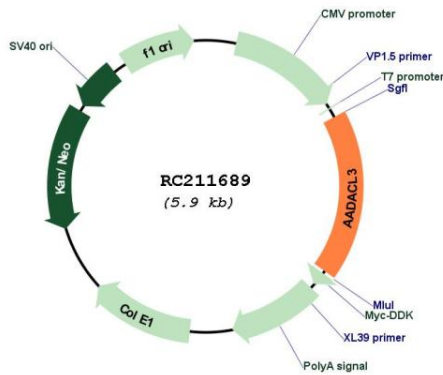
Locus ID: 126767

UniProt ID: [Q5VUY0](#)

Cytogenetics: 1p36.21

MW: 39.6 kDa

Product images:



Circular map for RC211689