

Product datasheet for **RC222634**

AADA CL4 (NM_001013630) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AADA CL4 (NM_001013630) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AADA CL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222634 representing NM_001013630 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTCCCCTGGCTAGTGCTACTCTTGGCATTGCCCATCTTTTTCTGGGGTCTTTGTCTGGGCTG
TCTTTGAGCACTTCTCACCACGGATATCCCTGCTACCTTGACAGCATCCTGCCAAGTTGAGATTCCTGCA
TTGCATATTCCTACCTGGTCACTTTGGGGAATATATTTGAGAAGCTGGGAATTTGCTCCATGCCAAA
TTTATTCGTTTTTACATGATAGCGTGAGAATTAAGGACCCCTGAACCTGTGGTGACCGACCTGCGTT
TTGGGACGATACCCGTGAGGCTGTTCCAGCCGAAGGCAGCATCCTCCAGACCCCGCGGAGGCATCATCTT
CTACCATGGAGGGCCACAGTATTTGGGAGCCTGGATTGTTACCATGGCCTGTGCAATTATCTGGCCCGG
GAGACTGAATCTGTACTTCTGATGATTGGTACC GCAAGCTTCTGACCACCATCCCTGCCCTTTTCC
AAGACTGCATGAATGCCTCCATTCACTTCTGAAGCCCTGGAACCTATGGGGTGGACCCTCCAGGGT
TGTGGTCTGTGGAGAAAGCGTCGGAGGTGCAGCGGTGGCCGCATCACCCAGGCTTGGTGGCAGATCA
GATCTTCCCGGATCCGGGCTCAGGTTCTGATTTATCCAGTTGTCCAGGCATTCTGTTTGCAGTTGCCAT
CCTTTCAGCAGAACAAAATGTCCCACTTTCCCGGAAGTTTCATGGTGACTTCTCTGTGTAACCTATCT
GGCCATTGACCTCTCTGGCGTGACGCCATCTGAACGGCACTTGTGTACCCCGAGCGTCTGGAGGAAG
TACGAGAAGTGGCTCAGCCCTGACAACATCCCAAGAAATTAAGAACAGAGGCTACCAACCTGGTCTC
CCGGCCCTTTAATGAAGCTGCCTATCTAGAAGCCAAACATATGCTGGATGTAGAAAATCACCCCTGAT
AGCAGATGATGAGGTATCGCTCAGCTTCTGAGGCCTTCTGGTGTGAGCTGTGAGAAATGACATACTCCGT
GATGACAGCTTGCTCTATAAGAAGCGCTTGGAGGACCAGGGGGTCCGCGTGACATGGTACCACCTGTATG
ATGGTTTTACGGATCCATTATCTTTTTGATAAGAAGGCTCTCTTTCCCATGTTCCCTGAAGATTGT
GAATGCTGTAGTCAGTTATATAAAGGCCATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC222634 representing NM_001013630
Red=Cloning site Green=Tags(s)

MAVPWL V L L L L A L P I F F L G V F V W A V F E H F L T T D I P A T L Q H P A K L R F L H C I F L Y L V T L G N I F E K L G I C S M P K
 F I R F L H D S V R I K K D P E L V V T D L R F G T I P V R L F Q P K A A S S R P R R G I I F Y H G G A T V F G S L D C Y H G L C N Y L A R
 E T E S V L L M I G Y R K L P D H H S P A L F Q D C M N A S I H F L K A L E T Y G V D P S R V V V C G E S V G G A A V A A I T Q A L V G R S
 D L P R I R A Q V L I Y P V V Q A F C L Q L P S F Q Q N Q N V P L L S R K F M V T S L C N Y L A I D L S W R D A I L N G T C V P P D V W R K
 Y E K W L S P D N I P K K F K N R G Y Q P W S P G P F N E A A Y L E A K H M L D V E N S P L I A D D E V I A Q L P E A F L V S C E N D I L R
 D D S L L Y K K R L E D Q G V R V T W Y H L Y D G F H G S I I F F D K K A L S F P C S L K I V N A V V S Y I K G I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1128_f09.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_001013630

ORF Size: 1221 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_001013630.1](#), [NP_001013652.1](#)

RefSeq Size: 1575 bp

RefSeq ORF: 1224 bp

Locus ID: 343066

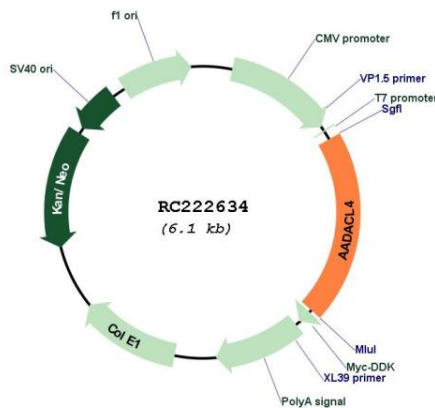
UniProt ID: [Q5VUY2](#)

Cytogenetics: 1p36.21

Protein Families: Transmembrane

MW: 45.9 kDa

Product images:



Circular map for RC222634