

Product datasheet for **RG222634**

AADACL4 (NM_001013630) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AADACL4 (NM_001013630) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AADACL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222634 representing NM_001013630 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTCCCCTGGCTAGTGCTACTCTTGGCATTGCCCATCTTTTTCTGGGGTCTTTGTCTGGGCTG
TCTTTGAGCACTTCTCACCACGGATATCCCTGCTACCTTGACAGCATCCTGCCAAGTTGAGATTCCTGCA
TTGCATATTCCTACCTGGTCACTTTGGGGAATATATTTGAGAAGCTGGGAATTTGCTCCATGCCAAA
TTTATTCGTTTTTACATGATAGCGTGAGAATTAAGGACCCCTGAACCTGTGGTGACCGACCTGCCTT
TTGGGACGATACCCGTGAGGCTGTTCCAGCCGAAGGCAGCATCCTCCAGACCCCGCGGAGGCATCATCTT
CTACCATGGAGGGCCACAGTATTTGGGAGCCTGGATTGTTACCATGGCCTGTGCAATTATCTGGCCCGG
GAGACTGAATCTGTACTTCTGATGATTGGTACCGAAGCTTCTGACCACCATTCCCCTGCCCTTTTCC
AAGACTGCATGAATGCCTCCATTCACTTCTGAAGCCCTGGAACCTATGGGGTGGACCCTCCAGGGT
TGTGGTCTGTGGAGAAAGCGTCGGAGGTGCAGCGGTGGCCGCCATCACCCAGGCCTTGGTGGCAGATCA
GATCTTCCCGGATCCGGGCTCAGGTTCTGATTTATCCAGTTGTCCAGGCATTCTGTTTGCAGTTGCCAT
CCTTTCAGCAGAACAAAATGTCCCACTTTCCCGGAAGTTCATGGTGACTTCTCTGTGTAACCTATCT
GGCCATTGACCTCTCTGGCGTGACGCCATCTGAACGGCACTTGTGTACCCCGAGCGTCTGGAGGAAG
TACGAGAAGTGGCTCAGCCCTGACAACATCCCCAAGAAATTAAGAACAGAGGCTACCAACCTGGTCTC
CCGGCCCTTTAATGAAGCTGCCTATCTAGAAGCCAAACATATGCTGGATGTAGAAAATTCACCCCTGAT
AGCAGATGATGAGGTCATCGCTCAGCTTCTGAGGCCTTCTGGTGTGAGCTGTGAGAAATGACATACTCCGT
GATGACAGCTTGTCTATAAGAAGCGCTTGGAGGACCAGGGGGTCCGCGTGACATGGTACCACCTGTATG
ATGGTTTTACGGATCCATTATCTTTTTGATAAGAAGGCTCTCTTTCCCATGTTCCCTGAAGATTGT
GAATGCTGTAGTCAGTTATATAAAGGCATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG222634 representing NM_001013630
Red=Cloning site Green=Tags(s)

MAVPWL V L L L A L P I F F L G V F 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 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 D K K A L S F P C S L K I V N A V V S Y I K G I

TRTRPLE - GFP Tag - V

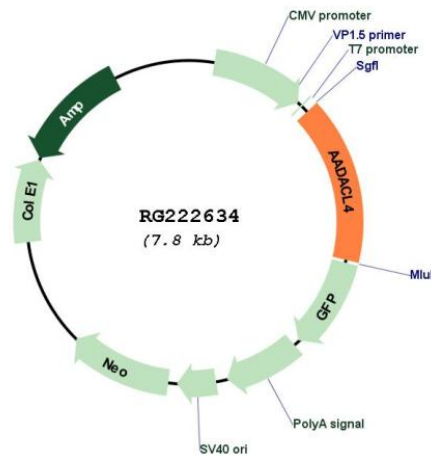
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<ol style="list-style-type: none">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