

Product datasheet for **RG207111**

AADAC (NM_001086) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AADAC (NM_001086) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AADAC
Synonyms:	CES5A1; DAC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207111 representing NM_001086 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAAGAAAATCGCTGTACCTTCTGATTGTGGGATCCTCATAGCATATTATTTATACGCCTCTCC
CAGATAACGTTGAGGAGCCATGGAGAATGATGTGGATAAACGCACATCTGAAAACATACAAAATTTGGC
TACATTTGTGGAGCTCCTGGGACTTCACCATTTTATGGATTCTTTAAGGTTGTCGGGAGCTTTGATGAA
GTCCACCAACCTCAGATGAAAATGTCCTGTGACTGAGACAAAATCAACAACATCTTGTTCCGGTAT
ATGTGCCAAAGAGAAAGTCTGAAGCACTAAGAAGGGGTTGTTTTACATCCATGGTGGAGGCTGGTGCCT
GGGAAGTCTGCTCTAAGTGGTTATGACTTGTGTCAAGATGGACAGCAGACAGACTTGATGCTGTGCTC
GTATCAACCAACTACAGATTAGCACCTAAGTATCATTTCCTCAATTTGAAGATGTATAAATGCCT
TAAGGTGGTTCTTACGTAAGAAAGTTCTTGCAAAATATGGTGTGAACCCTGAGAGAATCGGTATTTCTGG
AGATAGTGCAGGAGGGAATTTAGCTGCAGCAGTCAACAGCTCCTTGATGACCCAGATGTCAAGATC
AAACTCAAGATCCAGTCTTTAATTTATCCTGCCCTTCAGCCTCTTGATGTAGATTTACCGTCATATCAAG
AAAATTCAAATTTCTATTTCTATCCAATCACTCATGGTCAGATTCTGGAGTGAATATTTACCACTGA
TAGACTACTTGAAAAGCCATGCTTTCCAGACAACATGTACCTGTGGAATCAAGTCATCTCTTCAAATTT
GTTAATGGAGTTCCTGCTCCCTGAGAGGTTTATAAAAGGACATGTTTATAACAATCCAATTTATGGCA
GTTCTGAGCTGGCTAAAAAATATCCAGGGTTCCTAGATGTGAGGGCAGCCCTTTGTTGGCTGATGACAA
CAAATTACGTGGCTTACCCTGACCTATGTCATCACCTGTCAATATGATCTCTTAAGAGATGATGGACTC
ATGTATGTACCCGACTTCGCAACTGGGGTTCAGGTGACTCATAACCATGTTGAGGATGGATTCCATG
GAGCATTTTCATTTCTGGGACTTAAAATTAGTCACAGACTTATAAATCAGTATATTGAGTGGCTAAAGGA
AAATCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207111 representing NM_001086
Red=Cloning site Green=Tags(s)

MGRKSLYLLIVGILIAYYIYTPLPDNVEEPWRMMWINAHLKTIQNLATFVELLGLHHFMDSFKVVGSFDE
 VPPTSDENVTVTETKFNILVRVYVPKRKSEALRRGLFYIHGGWCVGSAAALSGYDLLSRWTADRLDAVV
 VSTNYRLAPKYHFPIQFEDVYNALRWFRLRKKVLAKYGVNPERIGISGDSAGGNLAAAVTQQLDDDPVKI
 KLKIQSLIYPALQPLDVLPSYQENSNFLFLSKSLMVRWFSEYFTTDRSLEKAMLSRQHPVVESSHLFKF
 VNWSLLPERFIKGHVYNNPNYGSSELAKKYPGFLDVRAAPLLADDNKLRLPLTYVITCQYDLLRDDGL
 MYVTRLRNTGVQVTHNHVEDGFHGAFSFLGLKISHRLINQYIEWLKENL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001086

ORF Size: 1197 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_001086.3](#)

RefSeq Size: 1725 bp

RefSeq ORF: 1200 bp

Locus ID: 13

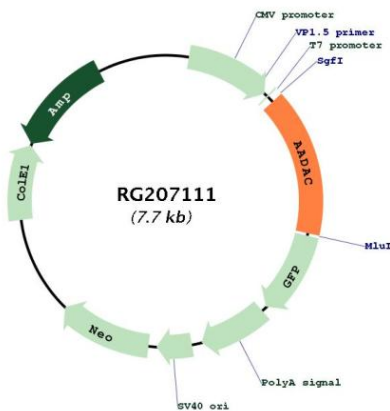
UniProt ID: [P22760](#)

Cytogenetics: 3q25.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Microsomal arylacetamide deacetylase competes against the activity of cytosolic arylamine N-acetyltransferase, which catalyzes one of the initial biotransformation pathways for arylamine and heterocyclic amine carcinogens [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207111