

Product datasheet for RN202914

Aadac (NM_020538) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aadac (NM_020538) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aadac
Synonyms:	Aada
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202914 representing NM_020538 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGAAGAACTATTTTTCTTCTCATCTCTGTGGTGCTTGTAGCTTATTATATTTATATACCTCTCCCAG
ATGATATTGAAGAGCCTTGGAAAATAATTGGGAAATACACTTCTAAAAGTTGGAGGAGATTTGGCTTC
TTTTGGTGAACCTTTGGGACTCAATCATTTTCATGGACACGGTACAGTTATTTATGAGATTTCAAGTTGTC
CCACCCACTTCTGATGAGAATGTCACTGTGATGGAGACAGATTTCAACAGTGTTCCCTGTTCCGATATATA
TACCCAAAAGGAAGTCAACGACGCTCAGGAGGGGCTTGTTTTTTATTCATGGTGGTGGCTGGTGTCTGGG
GAGTGTGCTTACTTTCATGTATGACACTCTGTCAAGACGGACTGCCCATAGACTTGATGCCGTTGTTGTG
TCAACTGACTATGGCTTAGCCCCAAAATACCATTTTCCAAAACAGTTTGAAGATGTATATCATAGTTTAC
GATGGTCTTACAAGAGGACATTCTTGA AAAATATGGTGTAGATCCTAGAAGAGTTGGTGTGTCTGGGGA
CAGTGTGGTGGAACTTAACAGGCTGTGACACAACAGATTCTACAGGATCCAGATGTCAAGATCAAA
CTCAAGGTCCAAGCTTTAATATATCCTGCCCTTCAGGCTCTTGATGAATGTACCATCACAAACAAGAAA
ATTCACAATACCCACTTTTAACAGGTCATTATTGATCCGTTTCTGGAGTGAATACTTTACTACAGACCG
AGACCTTGAGAAAAGCCATGCTTCTCAACCAACATGTACCTGTGGAATTCAGCCATTTGTTACAATTTGTG
AATTGGAGTTCCTTGCTCCCTCAGAGATATAAGAAAGTTACTTTTATAAAACTCCCACTCCTGGTAGTT
TGGAGCTGGCTCAAAAGTACCCAGGGTTCACAGATGTAAGGCATGCCCTCTGTTGGCCAATGACAGTAT
ATTACATCATTTACCTATGACCTATATTACACTTGTGTCAGTATGATGTTCTAAGAGATGACGGACTCATG
TATGTCAAGCGGCTTCAGAATACTGGAGTTCATGTGACTCATCCCATATTGAAGATGGATTCCATGGAG
CACTTACCTTACCTGGTTTGA AAATTACATACAGGATGCAAAATCAGTACTTGAATTGGCTTCACAAAAA
TCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_020538
Insert Size:	1197 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_020538.1</u> , <u>NP_065413.1</u>
RefSeq Size:	1645 bp
RefSeq ORF:	1197 bp
Locus ID:	57300
UniProt ID:	<u>Q9QZH8</u>
Cytogenetics:	2q31
Gene Summary:	Displays cellular triglyceride lipase activity in liver, increases the levels of intracellular fatty acids derived from the hydrolysis of newly formed triglyceride stores and plays a role in very low-density lipoprotein assembly (By similarity). Displays serine esterase activity in liver. Deacetylates a variety of arylacetamide substrates, including xenobiotic compounds and procarcinogens, converting them to the primary arylamide compounds and increasing their toxicity.[UniProtKB/Swiss-Prot Function]