

Product datasheet for **RN209658**

Acy3 (NM_001009603) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acy3 (NM_001009603) Rat Untagged Clone
Tag: Tag Free
Symbol: Acy3
Synonyms: RGD1305394
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209658 representing NM_001009603
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGCTCCCTGCCTGGGTCCCGAAGCCCTGCTCCGTGTGGCTGTGACTGGGGGCACCCATGGGAATG
AGATGTGTGGTGTCTACCTGGCCCGGTACTGGTTACAGAACCCAGGGGAGCTGCAGAGACCCAGCTTCTC
AGCCATGCCAGTTCTGGCCAACCCAGCAGCCACAGCTGCCTGTGCGCGTTACATAGACCGTGATCTCAAC
CGCACCTTCACACTCACCTTCTTGGTTCCACCGTACCCCGATGACCCATATGAAGTGAAAAGAGCCC
AAGAGTTGAACCACTACTGGGTCCCAAAGGCACATGTCAGGCTTTCGACTTTATACTAGACCTGCACAA
CACCACAGCGAACACTGGGGCCTGTCTCATTCTGAAGTCTCCAGAACCCCTTCAACTGCACCTGTGC
CACTACCTACAGCTGCAGAACCCGGGGCTGCCCTGCCGCTTTTCCAGTTTGAGCCACCTGGGACAGAGT
CCTACAGTATGGATTCTGTGTCGAAAAATGGAATCTCTCTGGAGCTGGGCCCCAGCCTCAGGGCGTGCT
GCGGGCTGAACTGTTCTCCAGATGAGAGCGATGGTGGCTCCATTCTGGACTTCATCGAACTCTTCAAC
CAAGGCATGGAATCCCCGCTTTGAGATGGAGGTCTACAAGAACTTGGCAGCGTGGACTTCCCACGCA
CCACAGATGGTCACCTGACTGGCACTGTGCACTCTAGGCTGCAGGACCAGCACTTTGAGCCGCTGAGGCC
TGGTGAACCTATCTTAAAGCTGTTCACTGGAGAGGATGTACTGTATGAGGGGGACTCTGTTGTATACCCCT
CTGTTTGTAAATGAGGCCGCTACTACGAGAAGCGTGTGGCTTTTCTGAAGTCTGAGAAGATCCGGATCT
CGGTGCCTGCCCTGCCAGGGCTGACCCCGACTCCACCCAGACTCCAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001009603
Insert Size: 960 bp



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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_001009603.1</u> , <u>NP_001009603.1</u>
RefSeq Size:	1336 bp
RefSeq ORF:	960 bp
Locus ID:	293653
UniProt ID:	<u>Q5M876</u>
Cytogenetics:	1q43
Gene Summary:	Plays an important role in deacetylating mercapturic acids in kidney proximal tubules. Also acts on N-acetyl-aromatic amino acids (By similarity).[UniProtKB/Swiss-Prot Function]