

Product datasheet for **RR209658**

Acy3 (NM_001009603) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Acy3 (NM_001009603) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Acy3
 Synonyms: RGD1305394
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR209658 representing NM_001009603
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCTCCCTGCCTGGGTCCCGAAGCCCTGCTCCGTGTGGCTGTGACTGGGGGCACCCATGGGAATG
 AGATGTGTGGTGTCTACCTGGCCCGGTACTGGTTACAGAACCCAGGGGAGCTGCAGAGACCCAGCTTCTC
 AGCCATGCCAGTTCTGGCCAACCCAGCAGCCACAGCTGCCTGTGCGCGTTACATAGACCGTGATCTCAAC
 CGCACCTTCACACTCACCTTCTTTGGTTCCACCGTACCCCGATGACCCATATGAAGTGAAAAGAGCCC
 AAGAGTTGAACCACTACTGGGTCCCAAAGGCACATGTCAGGCTTTCGACTTTATACTAGACCTGCACAA
 CACCACAGCGAACACTGGGGCCTGTCTCATTTCTGAAGTCTCCAGAACCCTTCAACTTGCACCTGTGC
 CACTACCTACAGCTGCAGAACCCGGGGCTGCCCTGCCGCTTTTCCAGTTTGAGCCACCTGGGACAGAGT
 CCTACAGTATGGATTCTGTGTCGAAAAATGGAATCTCTCTGGAGCTGGGCCCCAGCCTCAGGGCGTGCT
 GCGGGCTGAACTGTTCTCCAGATGAGAGCGATGGTGGCTCCATTCTGGACTTCATCGAACTCTTCAAC
 CAAGGCATGGAATCCCCGCTTTGAGATGGAGGTCTACAAGAACTTGGCAGCGTGGACTTCCCACGCA
 CCACAGATGGTCACCTGACTGGCACTGTGCACTCTAGGCTGCAGGACCAGCACTTTGAGCCGCTGAGGCC
 TGGTGAACCTATCTTTAAGCTGTTCACTGGAGAGGATGTACTGTATGAGGGGGACTCTGTTGTATACCCCT
 CTGTTTGTAAATGAGGCCGCTACTACGAGAAGCGTGTGGCTTTTCTGAAGTCTGAGAAGATCCGGATCT
 CGGTGCCTGCCCTGCCAGGGCTGACCCCGACTCCACCCAGACTCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209658 representing NM_001009603
 Red=Cloning site Green=Tags(s)

MCSLPGSRKPLLRAVAVTGGTHGNEMCGVYLARYWLQNPGLQRPFSAMPVLANPAATAACRRYIDRDLN
 RTFTLTLFLGSTATPDDPYEVKRAQELNQLLGPKGTCQAFDFILDLHNTTANTGACLISEVSQNPFLHLC
 HYLQLQNPGLPCRLFQFEPPTGESYSMDSVSKNGISLELGPQPQGVLRALFSQMRAMVASILDFIELFN
 QGMEFFAFEMEYKNLGSDVDFPRTTDGHLTGTVHSRLQDHDPEPLRPGEPIFKLFSGEDVLYEGDSVVYP
 LFNAAAYYEKRVAFKSEKIRISVPALPGLTPSSTQTP

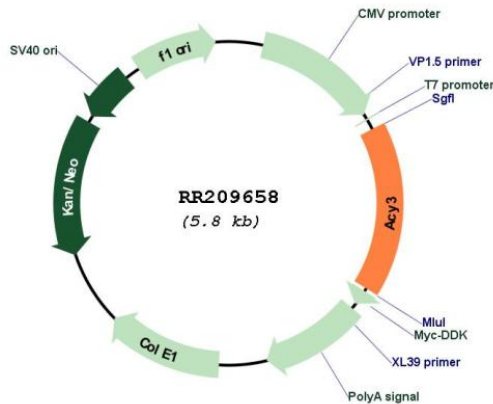
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009603

ORF Size: 957 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_001009603.1 , NP_001009603.1
RefSeq Size:	1336 bp
RefSeq ORF:	960 bp
Locus ID:	293653
UniProt ID:	Q5M876
Cytogenetics:	1q43
MW:	35.4 kDa
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]