

Product datasheet for **SC112779**

ACY3 (NM_080658) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACY3 (NM_080658) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACY3
Synonyms:	ACY-3; HCBP1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_080658, the custom clone sequence may differ by one or more nucleotides

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ATGTGCTCACTGCCTGTGCCCGGGAGCCCCTGCGTCGCGTGGCTGTGACTGGGGGCACGCATGGCAACG
AGATGTCGGGCGTCTACCTGGCCCGGCACTGGCTGCATGCCCCGCAGAGCTGCAGAGAGCCAGCTTCTC
CGCTGTGCCTGTGCTGGCCAACCCGGCAGCCACATCCGGCTGCCGCCGCTACGTGGACCATGACCTCAAC
CGCACCTTACCAGCAGCTTCTCAATTCCAGGCCACCCCGGACGACCCATATGAGGTGACAAGAGCCC
GAGAGCTGAACCAGCTGCTGGGGCCCAAGGCCTCGGGCCAGGCCTTTGACTTTGCCTTGACCTGCACAA
CACCACGGCCAACATGGGCACCTGCTTAATCGCGAAGTCCTCCCACGAAGTCTTTGCCATGCACCTGTGC
CGCCATCTGCAGCTGCAGTACCCCGAGCTGTCTGCCAGGTCTTCTGTACCAGCGGTCTGGGGAGGAGA
GCTACAACCTGGACTCTGTGGCCAAAAATGGACTGGGTCTGGAGCTGGGCCCCACGCCACAGGGTGTGCT
GCGGGTACGGCCTTCTCAAGGATGAGGACCCTGGTGGCCACAGTTCTGGACTTCATCGAACTCTTCAAC
CAGGGTACGGCCTTCTCAAGGATGAGGACCCTGGTGGCCACAGTTCTGGACTTCATCGAACTCTTCAAC
CCGAGGCCGGGCACCTGGCAGGCACTGTGCATCCTCAGCTGCAGGACCGAGACTCCAGCCACTGCAGCC
TGGTGTCCCATCTTCCAGATGTTCAAGTGGGAGGACCTGCTCTATGAGGGAGAGTCCACGGTGTACCCC
GTGTTTCAACGAGGCTGCCTACTATGAGAAGGGCGTTGCCCTTGTCCAGACTGAGAAGTTCACATTCA
CGGTGCCTGCCATGCCCGCGCTGACCCCTGCCCGAGCCAGCTTCTCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080658 unedited NGGTCACAATTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCAGAGGTGC CCTGCGCTGAAGTCTAGAGATCCCACTGCTAGGTCCAAAGAATTTACCCTTTCAGTCAAC CCACGGGGCAAAGTCCACTTTCTCCCTGAAGGAGCAGCGCAGAACAAAAAGTCCAGGCA GCTGCTCCGCTGTTTCGGGGTAGGGCGGAGTGACAGCCCCACGGGCCACGCAGCAAGC AGAAGATCCCCGGGAGTCAACCCTCAACCCTCTGGGGCCACGTGGGCCATAAATACCAGC CTGTCTGCGAGTTAGACGCCAGTCTGGTGGCCCGGAAGCCAGATCCGCATCAGCGGT AAGTACCCCTGACCTGAGACCCCTGCACCAGCTGGGAGGAGCAAGCAGGAGGGCAGGA AGGCGAGGCTGTTGCCTAGAACCAGACTCCACAGCTAACTCTGGTGACACTTCCAC TCCCCACGCTGTGCCTCAGTTTCCCTGTCTATAAAAGGGAGCGCAGTCTCTTCTATAG GGAGTGTGCCTTGGTGAACCCATCTTCTGAACAGTTGGGCCCTCTTCTCAATTTAGGA AAAAGAACTTCTTTCTCAAAGGAGCAGGAAAATTGTCTCTCAGAGAAAGGGCCACT GGGGGTGCAGGTGGACACAGCTGAGACTCCAGCCGCCACACCTTTGACAGGTGG CTGCCCTGTGGAGCCTCCACC GCCATCCTTGCTCTGAGCCAGATCCCTTGCATCGNGG CCAGGGTCTCCTAAGTATGCCACCCNNCAGTTCTGCACCCACACCAGCATGTGCTCA CTGCCTGTGCCCAAGCCCTGCGTCGCTGCCTGTGACTGGGGCACGCATGGNCACGA GATGTCGGCGTCTACTGGCCCGACTGGCTGCATGCA
Restriction Sites:	NotI-NotI
ACCN:	NM_080658
Insert Size:	3000 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:	NM_080658.1 , NP_542389.1
RefSeq Size:	1317 bp
RefSeq ORF:	960 bp
Locus ID:	91703
UniProt ID:	Q96HD9
Cytogenetics:	11q13.2
Domains:	Aste_AspA
Protein Pathways:	Alanine, aspartate and glutamate metabolism, Histidine metabolism

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]