

Product datasheet for **MC227538**

Acy1 (NM_001276442) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acy1 (NM_001276442) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acy1
Synonyms:	1110014J22Rik; Acy-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227538 representing NM_001276442 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCACCAAGGATCCCGAGTCTGAGCACCCCTCCGTGACGCTCTTCCGCCAGTACCTGCGCATCTGCA
CTGTGCAACCAATCCAGACTATGGAGGGGCCATCACCTCCTGGAGGAGAGAGCCGCCAGCTGGGTCT
GAGCTGTCAGAAAATAGAGGTGGTGCCTGGCTTTGTGATCACTGTGCTGACCTGGCCAGGCACCAACCCG
TCACTCCCTCCATCTTGCTAAACTCCACACAGATGTGGTACCTGTCTCAAGGAACATTGGCATTACAG
ACCCCTTTGAGGCCTCAAGGATCCGAGGGCTACATCTATGCTAGGGGCTCCCAGGACATGAAGAGTGT
CAGCATCCAGTACCTGGAAGCTGTGAGGAGGCTGAAGAGCGAGGGCCACCGATTCCCTAGGACATCCAC
ATGACCTTTGTGCCTGACGAGGAGGTCCGAGGTCAAGGGGATGGAGTTGTTGTGAAGAGGCCTGAGT
TCCAGGCTCTGCGGGCAGGCTTCGTTCTGGACGAGGGCCTGGCCAACCCACGGATGCCTTTACTGTCTT
TTATAGTGAGCGGAGTCTTGGTGGGTACAGGTTACCAGCACTGGGAAGCCAGGCCATGCCTCACGCTTC
ATTGAGGATACAGCTGCAGAGAAGTTGCATAAGGTTATAAGTCCATCTTGGCATTCCGGGAGAAGGAAA
GGCAGAGGCTGCAGGCGAACCCTCACCTGAAGGAAGCGCCGTGACTTCGGTGAATCTGACCAAGCTTGA
AGGTGGCGTGGCCTATAATGTGGTACCTGCCACTATGAGTGCCAGCTTTGACTTCCGAGTGGCACCAGAT
GTAGACATGAAGGCCTTCGAGAAGCAGCTGCAGAGATGGTGCCAGGAAGCAGGAGAGGGGTACCTTTG
AGTTTGTCTCAGAAGTTTACAGAGCCTCGAATGACACCCACGGATGATTACAGATCCCTGGTGGCAGCTTT
CAGCGGAGCCTGCAAGGCAATGAACCTCACTCTGGAGCCAGAGATCTTTCTGCTGCCACTGACAGCCGC
TTTATCCGGGCGTGGGGATCCCAGCTCTGGGCTTCTCGCCATGAACCCACACCTGTCTGCTACATG
ACCATAATGAACGGCTGCATGAGGATATATTTCTCCGTGGGGTTGACATATACAGGCCTCCTCTGCG
ACTTGCTAGTGTGCCACCCTGCCTAGTAAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001276442
Insert Size:	1227 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001276442.1</u> , <u>NP_001263371.1</u>
RefSeq Size:	1455 bp
RefSeq ORF:	1227 bp
Locus ID:	109652
UniProt ID:	<u>Q99JW2</u>
Cytogenetics:	9 57.49 cM
Gene Summary:	Involved in the hydrolysis of N-acylated or N-acetylated amino acids (except L-aspartate). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.