

Product datasheet for **MC226171**

Acy3 (NM_001302482) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acy3 (NM_001302482) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acy3
Synonyms: 0610006H10Rik; A; AA3; AAllI; Acy-3; AW107362; HCBP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226171 representing NM_001302482
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCTCCCTACCTGGGTCCCGGGAGCCCTGCTCCGTGTGGCTGTGACTGGAGGCACCCACGGGAATG
AGATGTGTGGTGTCTACCTGGCCCGGTACTGGCTACAGAACCCAGGGGAGCTGCAGAGACCCAGCTTCTC
AGCCATGCCGGTCTGGCCAACCCAGCAGCCACAGCTGCCTGTTGCCGTTACCTGGACCGTGATCTCAAC
CGCTCCTGCACCCCTCACCTTCTTGGCGGAGAACCCGGGGATGCCCTGCCGCCTTTTCTGTATGAGCC
AGCTGGGACGGAGACCTTCAGCGTGGAACTATATCCAAGAATGGAATCTGTCTGGAGATGGGCCACAG
CCTCAGGGCGTGTGCGGGCCGACCTGTTCTCCCGGATGCGAGCTCTGGTGGCATCCATTCTGGACTTCA
TCGAGCTCTTCAACCAAGGCATGGACTTACCCGCCTTTGAGATGGATATCTACAGGAACCTGGGCAGTGT
GGACTTCCCACGCACTGCAGATGGTGACCTGGCTGGCACTGTGCACCCCTCAACTGCAGGACCATGACTTT
GAGCCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302482
Insert Size: 570 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).



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| 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: | NM_001302482.1 , NP_001289411.1 |
| RefSeq Size: | 994 bp |
| RefSeq ORF: | 570 bp |
| Locus ID: | 71670 |
| UniProt ID: | Q91XE4 |
| Cytogenetics: | 19 A |
| Gene Summary: | <p>This gene encodes a member of the aminoacylase family of enzymes. This enzyme specifically deacetylates N-acetyl aromatic amino acids and mercapturic acids. Action of this enzyme on metabolites of the environmental contaminant trichloroethylene leads to the generation of toxic products that may lead to kidney failure. This protein has been found to bind to the hepatitis C virus core protein. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (4) differs in both UTRs and lacks an alternate exon in the 5' coding region compared to variant 1, resulting in a frameshift. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than isoform 1.</p> |