

ACY1 抗原（重组蛋白）

中文名称：ACY1 抗原（重组蛋白）

英文名称：ACY1 Antigen (Recombinant Protein)

别名：aminoacylase 1; ACY-1; ACY1D

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to C terminal 250 amino acids of human ACY1

技术规格：

Full name:	aminoacylase 1
Synonyms:	ACY-1; ACY1D
Swissprot:	Q03154
Gene Accession:	BC000545
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a cytosolic, homodimeric, zinc-binding enzyme that catalyzes the hydrolysis of acylated L-amino acids to L-amino acids and an acyl group, and has been postulated to function in the catabolism and salvage of acylated amino acids. This gene is located on chromosome 3p21.1, a region reduced to homozygosity in small-cell lung cancer (SCLC), and its expression has been reported to be reduced or undetectable in SCLC cell lines and tumors. The amino acid sequence of human aminoacylase-1 is highly homologous to the porcine counterpart, and this enzyme is the first member of a new family of zinc-binding enzymes. Mutations in th

is gene cause aminoacylase-1 deficiency, a metabolic disorder characterized by central nervous system defects and increased urinary excretion of N-acetylated amino acids. Alternative splicing of this gene results in multiple transcript variants. Read-through transcription also exists between this gene and the upstream ABHD14A (ab hydrolase domain containing 14A) gene, as represented in GeneID :100526760. A related pseudogene has been identified on chromosome 18.