

ACY1 Antibody

AminoAcylase-1, Mouse Anti Human
ABM0013

Product Overview

Name ACY1 Antibody

Description

AminoAcylase-1, Mouse Anti Human

Synonyms

N-acyl-L-amino-acid amidohydrolase, ACY-1, ACY1D, ACYLASE, ACY1, EC 3.5.1.143.

Introduction

Aminoacylase-1 is a cytosolic, homodimeric, zinc-binding enzyme that catalyzes the hydrolysis of acylated L-amino acids to L-amino acids and acyl group, and has been postulated to function in the catabolism and salvage of acylated amino acids. ACY1 has been assigned to 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 ACY1 is the first member of a new family of zinc-binding enzymes.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The ACY1 solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT & 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MTSKGPEEEH PSVTLFRQYL RIRTVQPKPD YGAAVAFFEE TARQLGLGCQ
KVEVAPGYVV TVLTWPGTNP TLSSILLNSH TDVVPVFKEH WSHDPFEAFK DSEGYYIARG AQDMKCVSIQ
YLEAVRRLKV EGHFRFPTIH MTFVPDEEVG GHQGMELFVQ RPEFHALRAG FALDEGIANP TDAFTVFYSE
RSPWWVRVTS TGRPGHASRF MEDTAAEKLH KVVNSILAFR EKEWQRLQSN PHLKEGSVTS VNLTKLEGGV

AYNVIPATMS ASFDFRVAPD VDFKAFEEQL QSWCQAAGEG VTLEFAQKWM HPQVTPTDDS NPWWAAFSRV
CKDMNLTLEP EIMPAATDNR YIRAVGVPAL GFSPMNRTPV LLHDHDERLH EAVFLRGVDI YTRLLPALAS
VPALPSDS.

Precautions

ACY1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.