

Product information

Acy1, 1-408aa

Mouse, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP3131

Full name: Aminoacylase 1

NCBI Accession No.: AAH05631

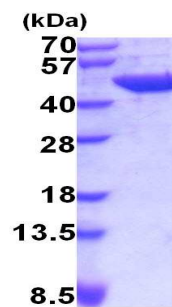
Description: Acy1 also known as Aminoacylase1. The protein is a cytosolic, homodimeric, zinc-binding enzyme that catalyzes the hydrolysis of acylated L-amino acids to L-amino acids and acyl group, and has been postulated to function in the catabolism and salvage of acylated amino acids. ACY1 has been 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. Recombinant mouse Acy1, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol

Molecular Weight: 48.4kDa (433aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSEFMTTKD PESEHPSVTL FRQYLRICTV QPNPDYGGAI TFLEERARQL GLSCQKIEVV PGFVITVLTW
 PGTNPSLPSI LLNSHTDVVP VFKEHWHHDP FEAFKDSEGY IYARGSQDMK SVSIQYLEAV RRLKSEGHFR PRTIHMTFVP DEEVGGHKGM
 ELFVKRPEFQ ALRAGFALDE GLANPTDAFT VFYSERSPPWW VRVTSTGKPG HASRFIEDTA AEKLNKVISS ILAFREKERQ RLQANPHLKE
 GAVTSVNLTK LEGGVAYNVV PATMSASFDF RVAPDQDMKA FEKQLQRWCQ EAGEGVTFEF AQKFTEPRMT PTDDSDPWWA AFSGACKAMN
 LTLEPEIFPA ATDSRYIRAV GIPALGFSPM NRTPVLLHDH NERLHEDIFL RGVDIYTGLL SALASVPTLP GES

General references:

Miller YE, Drabkin H, *et al.* (1991) *Genomics* 8 (1): 149–154.

Voss R, *et al.* (1982) *Ann Hum Genet* 44 (Pt 1): 1–9.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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