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32-6645: ACY1 Mouse

Alternative Name : Aminoacylase-1, ACY-1, N-acyl-L-amino-acid amidohydrolase, Aminoacylase 1, Acy1.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
Acy1 or Aminoacylase1 is a cytosolic, homodimeric, zinc-binding enzyme which catalyzes the hydrolysis of acylated L-amino acids to L-amino acids and acyl group, and has been suggested to operate in the catabolism and salvage of acylated amino acids. ACY1 is localized in chromosome 3p21.1, a region reduced to homozygosity in small-cell lung cancer (SCLC), and its expression has been observed to be reduced or undetectable in SCLC cell lines and tumors.
ACY1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 433 amino acids (1-408 a.a) and having a molecular mass of 48.4kDa.Â ACY1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	ACY1 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSEFMTTKD PESEHPSVTL FRQYLRICTV QPNPDYGGAI TFLEERARQL GLSCQKIEVV PGFVITVLTW PGTNPSLPSI LLNSHTDVVP VFKEHWHHDP FEAFKDSEGY IYARGSQDMK SVSIQYLEAV RRLKSEGHRF PRTIHMTFVP DEEVGGHKGM ELFVKRPEFQ ALRAGFALDE GLANPTDAFT VFYSERSPWW VRVTSTGKPG HASRFIEDTA AEKLHKVISS ILAFREKERQ RLQANPHLKE GAVTSVNLTK LEGGVAYNVV PATMSASFDF RVAPDVDMKA FEKQLQRWCQ EAGEGVTFEF AQKFTEPRMT PTDDSDPWWA AFSGACKAMN LTLEPEIFPA ATDSRYIRAV GIPALGFSPM NRTPVLLHDH NERLHEDIFL RGVDIYTGLL SALASVPTLP GES.

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