

Recombinant Human ACY1 protein, T7-tagged

Cat. No. ACY1-165H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Aminoacylase-1 (408 aa, Isoform_a) protein fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	408 a.a.
Form	0.25 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGEFMTSKGPREEHPSVTLFRQYLRIRTVQPKPDYGA AVAFEE TARQLGLGCQKVEVAPGYV TVLTWPGTNPTLSSILLNSHTDVVPVFKEHWSHDPF EAFKDSEGYIYARGAQDMKCVSIQYLEAVRRLKVEGHRF PRTIHMTFVPDEEVGGH QGMELFVQRPEFHALRAGFALDEGIANPTDAFTVFYSERSPWWVRVTSTGRPGHA SRF MEDTAAEKLHKVVNSILAFREKEWQRLQSNPHLKEGSVTSVNLTKEGGVAYN VIPATMSASFDFRVAPDVFKA FEEQLQSWCQAAGEGVTLEFAQKWMHPQVTPTD DSNPWWAAFSRVCKDMNLTLEPEIMPAATDNRYIRAVGVPAL GFSPMNRTPVLLH DHDERLHEAVFLRGVDIYTRLLPALASVPALPSDS
Purity	>90% by SDS-PAGE
Storage	Keep at -20°C for long term storage. Product is stable at 4 °C for at least 30 days.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	ACY1 aminoacylase 1 [Homo sapiens]
Official Symbol	ACY1
Synonyms	ACY1; aminoacylase 1; aminoacylase-1; acylase; N-acyl-L-amino-acid amidohydrolase; ACY-1; ACY1D;
Gene ID	95
mRNA Refseq	NM_000666
Protein Refseq	NP_000657
MIM	104620
UniProt ID	Q03154
Chromosome Location	3p21.2
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Urea cycle and metabolism of amino groups, organism-specific biosystem;
Function	aminoacylase activity; hydrolase activity; metal ion binding; metalloproteinase activity;

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