

Active Recombinant Human ACY1 protein, His-tagged

Cat. No. ACY1-242H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ACY1 protein(NP_000657.1) (Met 1-Ser 408) was expressed in Insect Cells with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-408 aa
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol.
Bio-activity	Measured by its ability to cleave N-acetyl-L-Methione (Ac-Met). The specific activity is >4,000 pmoles/min/μg.
Molecular Mass	The recombinant human ACY1 consists of 419 amino acids and predicts a molecular mass of 47.3 kDa. It migrates as an approximately 44 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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](#)

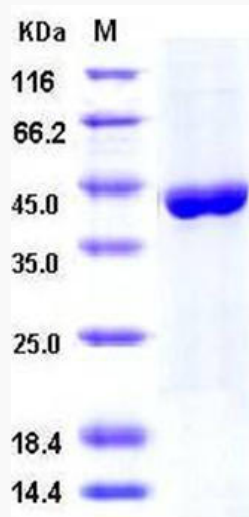
UniProt ID [Q03154](#)

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SDS-PAGE



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