

Aminoacylase-1 Protein, Human (sf9, His)

Cat. No.:	HY-P75576
Synonyms:	Aminoacylase-1; ACY-1; N-acyl-L-amino-acid amidohydrolase; Acy1
Species:	Human
Source:	Sf9 insect cells
Accession:	Q03154 (M1-S408)
Gene ID:	95
Molecular Weight:	Approximately 44 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 50 mM Tris, 100 mM NaCl, pH 8.0, 10% Glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Aminoacylase-1 Protein, an enzyme, plays a crucial role in the hydrolysis of N-acylated amino acids. Dysregulation of Aminoacylase-1 Protein has been associated with metabolic disorders and neurological diseases. Targeting Aminoacylase-1 Protein may offer potential therapeutic interventions in these conditions by modulating amino acid metabolism, improving metabolic function, and managing neurological disorders.
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Caution: Product has not been fully validated for medical applications. For research use only.

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