

CECR1 Protein, Human (sf9, His)

Cat. No.:	HY-P76250
Synonyms:	Adenosine deaminase 2; ADA2; ADGF; CECR1; IDGFL
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9NZK5 (M1-K511)
Gene ID:	51816
Molecular Weight:	Approximately 58 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 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 8.0. 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	CECR1, an adenosine deaminase, is implicated in the degradation of extracellular adenosine, a pivotal signaling molecule governing diverse cellular responses. Its enzymatic activity is contingent upon elevated adenosine levels. CECR1 exhibits a propensity to bind to cell surfaces through proteoglycans, suggesting a potential role in the modulation of cell proliferation and differentiation that extends beyond its canonical enzyme function. This dual functionality underscores its potential significance in intricate cellular regulatory processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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