

CLPS Protein, Rat (HEK293, His)

Cat. No.:	HY-P75334
Synonyms:	Colipase; CLPS
Species:	Rat
Source:	HEK293
Accession:	NP_037271 (A18-Q112)
Gene ID:	25680
Molecular Weight:	Approximately 12 kDa

PROPERTIES

AA Sequence	<p>A P G P R G L F I N L E D G E I C V N S M Q C K S R C C Q H D T I L G I A R C T</p> <p>H K A M E N S E C S P K T L Y G I Y Y R C P C E R G L T C E G D R S I I G A I T</p> <p>N T N Y G V C L D S T R S K Q</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>CLPS, or Colipase, is a protein that enables enzyme activator activity and is involved in positive regulation of catalytic activity, post-embryonic development, and response to food. It is predicted to be located in the extracellular region. The human ortholog(s) of this gene have been implicated in type 2 diabetes mellitus, highlighting its potential role in metabolic regulation. The expression of CLPS is restricted, suggesting specific involvement in certain tissues or physiological contexts, with a notable expression level of RPKM 1512.3.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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