

Recombinant Mouse Clps Protein, MYC/DDK-tagged

Cat. No. Clps-436M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse colipase, pancreatic (Clps), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the colipase family of coenzymes that is required for the optimal activity of pancreatic lipase. The encoded protein undergoes proteolytic processing to generate a mature polypeptide that binds to the lipase and prevents inhibition by bile acids. Over half of the mice lacking the encoded protein die within two weeks of birth while the remaining ones exhibit fat malabsorption and altered body weight regulation. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing.
Molecular Mass	12.9 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Clps colipase, pancreatic [*Mus musculus* (house mouse)]

Official Symbol Clps

Synonyms Clps; colipase, pancreatic; 2200003J09Rik; colipase;

Gene ID 109791

mRNA Refseq NM_025469

Protein Refseq NP_079745

UniProt ID Q9CQC2

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