



Recombinant Feline Pancreas Specific Lipase Protein [His, Myc] (DAGC064)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------|---|
| Species | Feline |
| Purity | Greater than 85% as determined by SDS-PAGE. |
| Conjugate | His, Myc |
| Applications | WB, ELISA |
| Format | Liquid |
| Size | 0.2 mg |
| Buffer | Storage Buffer: Tris-based buffer, 50% glycerol |
| Preservative | None |
| Storage | Store at -20°C. |

BACKGROUND

Introduction

Pancreatic lipase, also known as pancreatic triacylglycerol lipase, is secreted from the pancreas, and is the primary lipase (enzyme) that hydrolyzes (breaks down) dietary fat molecules in the human digestive system, converting triglyceride substrates found in ingested oils to monoglycerides and free fatty acids. Triacylglycerol + H₂O diacylglycerol + a fatty acid anion Bile salts secreted from the liver and stored in gallbladder are released into the duodenum where they coat and emulsify large fat droplets into smaller droplets, thus increasing the overall surface area of the fat, which allows the lipase to break apart the fat more effectively. The resulting monomers (2 free fatty acids and one 2-monoacylglycerol) are then moved by way of peristalsis along the small intestine to be absorbed into the lymphatic system

by a specialized vessel called a lacteal. This protein belongs to pancreatic lipase family.

Keywords

PNLIP; fPL; feline PNLIP; cat PNLIP; Pancreas Specific Lipase

GENE INFORMATION

Protein Refseq

KEICFPRLGCFSDDAPWAGIAQRPL

UniProt ID

XP_006938269.2
