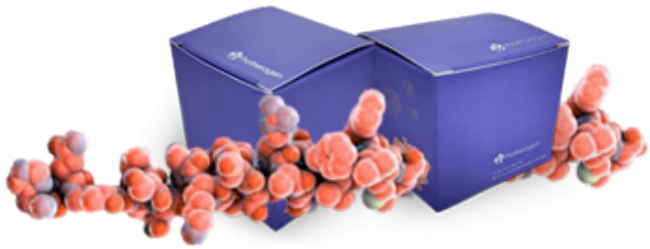
Protheragen Obesity



Bovine perilipin 3 (PLIN3) ELISA kit

Cat. No.:	0126WXX-1374
Assay Type:	Quantitative ELISA
Target Species:	Bovine
Assay Target:	PLIN3
Size:	48T; 96T

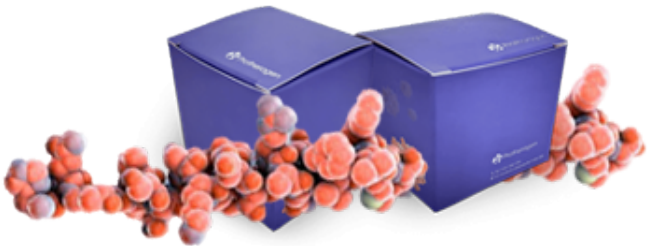
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Bovine perilipin 3 (PLIN3) ELISA kit is an ELISA-based *in vitro* research tool designed specifically for the quantitative detection of PLIN3 in porcine sa mples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on PLIN3 antibody-PLIN3 anti gen interactions (immunosorbency) and an HRP colorimetric detection system to de tect PLIN3 antigen targets in samples.
Background	Perilipin 3 (PLIN3) is a member of the perilipin family of lipid droplet–associa ted proteins and is widely expressed in multiple tissues, where it regulates int racellular lipid storage and trafficking. PLIN3 coats lipid droplets and facilit ates lipid droplet formation and turnover, playing an important role in cellular lipid metabolism and energy balance. By coordinating lipid storage and mobiliza tion, PLIN3 contributes to the maintenance of metabolic homeostasis. Altered PLI N3 expression or function has been linked to dysregulated lipid accumulation and impaired lipid handling, processes that are closely associated with obesity and obesity-related metabolic disorders.
Synonyms	M6PRBP1; TIP47; PP17; Mannose-6-phosphate receptor binding protein 1; Placental protein 17; 47 kDa mannose 6-phosphate receptor-binding protein; Cargo selection TIP47
Formula Weight	55,990 Da

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
Phone: 1-631-506-1393
info@obesityscientific.com

Protheragen
Obesity



Applications	Bovine perilipin 3 (PLIN3) ELISA kit is used to quantify PLIN3 in bovine samples , providing data to support research in a wide range of areas, including metabol ic pathways, obesity, and others.
Research Area	Metabolic pathway; Obesity

Specification

Sample Type	Bovine samples
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
Phone: 1-631-506-1393
info@obesityscientific.com