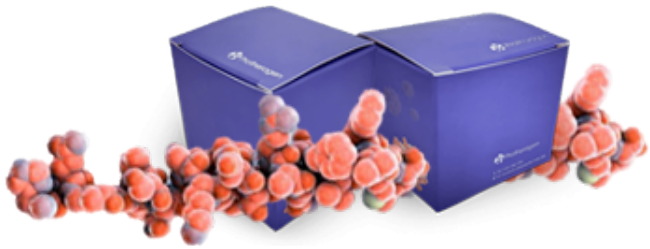
Protheragen
Obesity



Bovine protein transport protein Sec16B (Sec16B) ELISA kit

Cat. No.:	0126WXX-1775
Assay Type:	Quantitative ELISA
Target Species:	Bovine
Assay Target:	Sec16B
Size:	48T; 96T

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

Product Overview

Description	Bovine protein transport protein Sec16B (Sec16B) ELISA kit is an ELISA-based *in vitro* research tool designed specifically for the quantitative detection of Sec16B in porcine samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on Sec16B antibody-Sec16B an tigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Sec16B antigen targets in samples.
Background	Sec16B is a large peripheral membrane protein serving as the core scaffold prote in at endoplasmic reticulum (ER) budding sites (ERES). Its primary function is t o organize and recruit the COPII coat complex, initiating the vesicular transpor t process that moves proteins and lipids from the ER to the Golgi apparatus. Res earch indicates Sec16B is highly expressed in adipose tissue and is essential fo r adipocyte secretion of adiponectin. Impaired Sec16B function disrupts the prop er secretion of critical metabolic hormones like adiponectin, leading to insulin resistance and systemic metabolic dysfunction. Thus, it serves as a molecular l ink between cellular secretion mechanisms and metabolic health.
Synonyms	Regucalcin gene promoter region-related protein p117; RGPR-p117; Leucine zipper transcription regulator 2; LZTR2; RGPR; SEC16S; SEC16 homolog B
Formula Weight	117,174 Da

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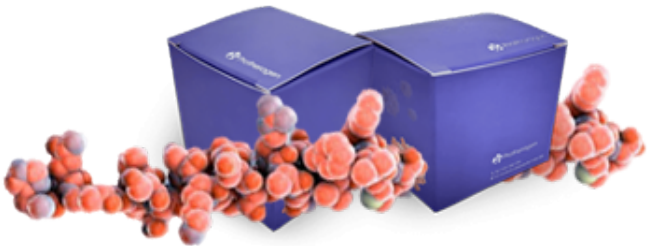

Applications	Bovine protein transport protein Sec16B (Sec16B) ELISA kit is used to quantify S ec16B in bovine samples, providing data to support research in a wide range of a reas, including endocrinology, membrane trafficking, and others.
Research Area	Endocrinology; Membrane trafficking

Specification

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

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