

Akkermansia muciniphila

Cat. No. PRBT-101T

Lot. No. (See product label)

Introduction

Description Akkermansia muciniphila is an oval, gram-negative, strictly anaerobic bacterium that is a commensal in the human gut. This bacterium is immobile and does not form spores. Akkermansia muciniphila was first isolated from the human gut in 2004 and has been found in both the small and large intestines, with particularly high levels in the cecum, where most of the mucin is produced. A. muciniphila comprises 3% to 5% of the gut microbiota of humans and other mammals. In addition, A. muciniphila has been detected in breast milk and mammary tissue of lactating women, where it utilizes oligosaccharides in breast milk as a source of energy, carbon, and nitrogen. This bacterium is vertically transmitted from breast milk to infants and plays a role in the development of the gut microbiota in early infancy (around 1 month), with a significant increase in abundance in adulthood. Akkermansia muciniphila powder consists of inactive Akkermansia muciniphila bacterial cells, which are known to improve gut health, enhance intestinal barrier function, and regulate the balance of gut microbiota. It also supports metabolic health by helping to regulate blood sugar and lipid levels, and exhibits potential anti-inflammatory, immune-modulating, and weight management benefits.

Product Information

Species Akkermansia muciniphila

Source Human

Form Powder

Activity 200B TFU/g

Storage and Shipping Information

Storage At least 24 months if stored in a well-closed container away from moisture and direct sun light at room temperature.