



# *Babesia microti* profilin-like protein

Datasheet, Version 2/2016

**protean**  
Forefront of Biotechnology

Catalog #	2127
Synonyms	Profilin Antigen
Type	Recombinant
Source	<i>E. coli</i>
Species	<i>Babesia microti</i>
Tag	GST
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Ice pack

## Introduction

*Babesia* parasites are obligate intraerythrocytic protozoa capable of invading a wide range of vertebrate hosts. *Babesia microti* has emerged as a new life-threatening zoonosis in the world causing a disease in humans and rodents. The infection is usually asymptomatic. However, immunocompromised and elder people may develop moderate to serious symptoms.

## Description

Profilin is a soluble cytoplasmic protein that plays a key regulatory role in actin polymerization. It represents an essential component of all apicomplexan parasites, which helps the parasite to invade host cells using an actin-dependent gliding motility.

## Application

ELISA, Western blot, LIA, Protein arrays

## Purification method

Affinity chromatography.

## Formulation

Liquid, does not contain glycerol. Protein conc. 2 mg/ml. MW 441Da including GST tag.

## Specificity

Highly immunoreactive fusion protein containing C-terminal part of Profilin antigen (XM\_021481611.1: 85..495nt). MW 41 kDa with GST (Profilin alone MW 15kDa).

## Storage

-80C. Aliquot upon arrival.

**Analyte specific reagent (ASR) manufactured under ISO 13485.**

**Country of origin: Czech Republic**