# *Babesia microti profilin-like protein*

Datasheet, Version 2/2016

protean
*Forefront of Biotechnology*

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|---|---|
| Catalog # | 2127 |
| Synonyms | Profilin Antigen |
| Type | Recombinant |
| Source | E. coli |
| Species | Babesia micoti |
| 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**

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