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Product Data Sheet

Cat # RP-1448 Recombinant Treponema pallidum p15 (Partial), His Tag **Size**: 100 ug

Treponema pallidum is a gram-negative spirochaete bacterium and is considered to be metabolically crippled. There are at least four known subspecies: T. pallidum pallidum, T. pallidum pertenue, T. pallidum carateum and T. pallidum endemicum. The helical structure of T. pallidum pallidum allows it to move in a corkscrew motion through viscous mediums such as mucus. Treponema pallidum sub sp. pallidum has one of the smallest bacterial genomes at 1.14 million base pairs (Mb) and has limited metabolic capabilities, reflecting its adaptation through genome reduction to the rich environment of mammalian tissue. Immunoreactive with sera of Trp. Pallidum infected individuals.

SOURCE:

The E.Coli derived recombinant 6xHis tag fusion protein is a multimer having a molecular mass of 48kDa and contains the Trp. Pallidum p15 immunodominant regions. 70mM Tris-HCl pH 8.0, 50mM NaCl, 50% Glycerol, 1.5 M Urea.

APPLICATION AND SUGGESTED DILUTIONS:

Treponema Pallidum protein is suitable for ELISA and Western blots, excellent antigen for detection of Trp. Pallidum with minimal specificity problems. Treponema Pallidum protein is >95% pure as determined by SDS- PAGE. Treponema Pallidum protein contains six histidines fused at the C-Terminus. Users must optimize the appropriate concentration and conditions for each assay.

STORAGE & STABILITY:

Treponema Pallidum protein is shipped at ambient temperature. Upon arrival, Store at -20℃. Five years frozen. One month in solution at room temperature. If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquied at 4oC for ~ 1week or aliquots in suitable size and store at -20oC for long term storage.

USAGE:

This item is for LABORATORY RESEARCH USE ONLY.

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