

Recombinant Treponema pallidum TPTMPA protein, β-gal-tagged

Cat. No. TPTMPA-282T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The E.Coli derived recombinant protein contains the T.Pallidum TmpA immunodominant regions. The protein contains beta- galactosidase (114kDa) fused at the N- terminus.
Species	Treponema pallidum
Source	E.coli
Description	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.
Form	8M urea, 20mM Tris-HCl pH-8 & 10mM B-ME.
Purity	Treponema Pallidum protein is >90% pure as determined by 10% PAGE (coomassie staining).
Applications	Treponema Pallidum protein binds to murine anti-TmpA protein monoclonal antibodies and Treponema pallidum converted human serum polyclonal antibodies in

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ELISA and Western Elisa. Dot Blots and Lateral Flow immunochromatographic diagnostics test.

Usage

The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Specificity

Immunoreactive with sera of T.Pallidum infected individuals.

Storage

Treponema Pallidum protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Shipping

Ice Packs

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