

Active Recombinant Treponema pallidum TmpA protein

Cat. No. TmpA-249 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Treponema pallidum TmpA containing beta-galactosidase (114 kDa) fused at the N-terminus and T.Pallidum TmpA immunodominant regions was expressed in E. coli.
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.
Bio-activity	Immunoreactive with sera of T.Pallidum infected individuals.
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

antibodies and Treponema pallidum converted human serum polyclonal antibodies in ELISA and Western Elisa. Dot Blots and Lateral Flow immunochromatographic diagnostics test.

Storage

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

GENE INFORMATION
Gene Name

TP_RS03875 membrane protein (tmpA) [Treponema pallidum subsp. pallidum str. Nichols]

Official Symbol

TP_RS03875

Synonyms

membrane protein (tmpA)

Gene ID

2611383

mRNA Refseq
Protein Refseq
MIM
UniProt ID

P07643

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA