Recombinant Treponema pallidum TPP41 protein, GST-tagged

Cat. No. TPP41-279T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The E.coli derived recombinant protein contains the outer membrane T.Pallidum p41 immunodominant regions. The protein is fused with a GST tag.
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	25mM Tris-HCl pH-8, 60mM NaCl & 50% glycerol.
Purity	Treponema Pallidum protein is >90% pure as determined by 10% PAGE (coomassie staining).
Applications	Treponema Pallidum protein is suitable for ELISA and Western blots, excellent antigen for detection of T. Pallidum with minimal specificity problems.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product

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	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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