

Recombinant Treponema pallidum TPP47 protein, β-gal-tagged

Cat. No. TPP47-280T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The E.Coli derived recombinant protein contains the T.Pallidum p47 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 subsp. 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, 10mM Tris-HCl pH 8.0, 1mM EDTA and 1mM DTT.
Purity	Treponema Pallidum protein is >95% pure as determined by SDS-PAGE.
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 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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