

Recombinant Treponema pallidum p15 (partial) GST

Catalog No.	CSI15902A CSI15902B CSI15902C	Quantity:	100 µg 0.5 mg 1.0 mg
Description:	<p>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.</p> <p>The E. coli derived recombinant protein is fused at N-terminus with GST tag and contains the Trp. Pallidum p15 immunodominant regions.</p>		
Source:	<i>E. coli</i>		
Formulation:	70 mM Tris-HCl, pH-8 + 84 mM NaCl + 14 mM Glutathione + 30% Glycerol + 0.2% Sarcosil.		
Purity:	Treponema Pallidum protein is >95% pure as determined by 10% PAGE (coomassie staining).		
Purification Method:	Treponema Pallidum protein was purified by proprietary chromatographic technique.		
Specific Activity:	Immunoreactive with sera of Trp. Pallidum infected individuals.		
Applications:	Treponema Pallidum protein is suitable for ELISA and Western blots, excellent antigen for detection of Trp. Pallidum with minimal specificity problems.		
Storage & Stability:	<p>Treponema Pallidum protein is shipped at ambient temperature.</p> <p>Upon arrival, Store at -20°C.</p> <p>Stability: Five years frozen. One month in solution at room temperature.</p>		

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