

Active Recombinant *Treponema pallidum* p15 protein

Cat. No. p15-246 Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Treponema pallidum</i> p15 containing beta-galactosidase (114 kDa) fused at the N-terminus and Trp. <i>Pallidum</i> p15 immunodominant regions was expressed in <i>E. coli</i> .
Species	<i>Treponema pallidum</i>
Source	<i>E. coli</i>
Description	<p><i>Treponema pallidum</i> is a gram-negative spirochaete bacterium and is considered to be metabolically crippled. There are at least four known subspecies: <i>T. pallidum pallidum</i>, <i>T. pallidum pertenuis</i>, <i>T. pallidum carateum</i> and <i>T. pallidum endemicum</i>. The helical structure of <i>T. pallidum pallidum</i> allows it to move in a corkscrew motion through viscous mediums such as mucus. <i>Treponema pallidum</i> sub sp. <i>pallidum</i> 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>
Form	20mM Tris-HCl pH-8, 10mM B-ME and 8M urea.
Bio-activity	Immunoreactive with sera of Trp. <i>Pallidum</i> infected individuals.
Purity	<i>Treponema Pallidum</i> protein is >95% pure as determined by 10% PAGE (coomassie staining).
Applications	<i>Treponema Pallidum</i> protein is suitable for ELISA and Western blots, excellent

 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



antigen for detection of Trp. Pallidum with minimal specificity problems.

Storage

Protein should be stored at 4°C.Refrigerate Upon arrival. DO NOT FREEZE.

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