

## 32-5553: Recombinant *Treponema pallidum* p47

### Description

Source : The E.Coli derived recombinant protein contains the T.Pallidum p47 immunodominant regions. The protein contains beta-galactosidase (114 kDa) fused at the N- terminus. *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 pertenuis*, *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.

### Product Info

<b>Amount :</b>	0.5 mg
<b>Purification :</b>	<i>Treponema Pallidum</i> protein is >90% pure as determined by 10% PAGE (coomassie staining).
<b>Content :</b>	8M urea, 20mM Tris-HCl pH-8 and 10mM B-ME.
<b>Storage condition :</b>	<i>Treponema Pallidum</i> although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

