

## 32-5551: Recombinant *Treponema pallidum* p41

### Description

Source : The E.coli derived recombinant protein contains the outer membrane T.Pallidum p41 immunodominant regions. The protein is fused with a Beta-galactosidase tag. *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.

### 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>	10mM Tris-HCl pH8.0, 1mM EDTA, 1mMDTT and 8M urea.
<b>Storage condition :</b>	<i>T.pallidum</i> p41 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

