

## 32-5555: Recombinant Treponema pallidum TmpA (Partial)

### Description

Source : The E.Coli derived 68kDa recombinant protein contains the Trp. Pallidum TmpA immunodominant regions, 23-41 amino acids and 288-325 amino acids. 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>	Protein is >95% pure as determined by 10% PAGE (coomassie staining).
<b>Content :</b>	10mM Tris-HCl pH8.0, 20mM DDT, 1mM EDTA and 8M urea.
<b>Storage condition :</b>	T.pallidum TmpA partial although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

