

Recombinant Treponema pallidum Tpp17 Antigen, His&GST tagged

Cat. No. Tpp17-057T **Lot. No.** (See product label)

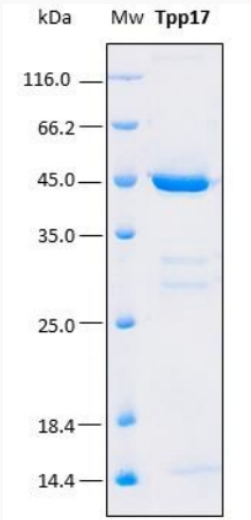
SPECIFICATION

Product Overview	The Tpp17 recombinant lipoprotein has been prepared by expressing the gene which codifies the mature lipoprotein of 17 kDa of the spirochete Treponema pallidum.
Species	Treponema pallidum
Source	E.coli
Description	Tpp17 is a 17 kDa protein from Treponema pallidum. It is an antigen with proven diagnostic relevance and one of the major immunogens for syphilis. This lipoprotein was identified initially by its strong reactivity with human syphilitic sera.
Tag	N-His&GST
Molecular Mass	Determined by SDS-PAGE, the protein band is at the molecular markers of 45 kDa, while relative molecular mass calculated from amino acid sequence is 46,649.6 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.

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Storage Buffer	50 mM Tris-HCl pH 8 and 10 mM Glutathione
Concentration	2.65 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Akins, D. R., Purcell, B. K., Mitra, M. M., Norgard, M. V., and Radolf, J. D. Lipid modification of the 17-kilodalton membrane immunogen of <i>Treponema pallidum</i> determines macrophage activation as well as amphiphilicity. 1993, <i>Infection and Immunity</i>, 61: 1202-1210. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. <i>Anal Biochem</i>. 1989 Nov 1;182(2):319-26.
Purity	 SDS-PAGE analysis (15%) of 2 µL of recombinant Tpp17. Purity is > 95% as determined by gel electrophoresis.