

Recombinant *Leptospira interrogans* LipL21 Antigen, His tagged

Cat. No. LipL21-031L **Lot. No.** (See product label)

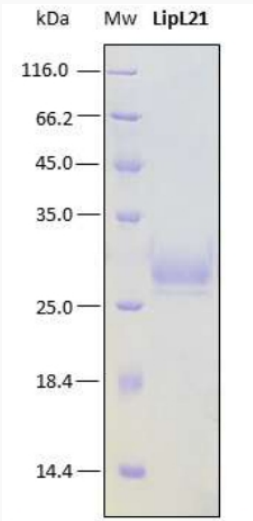
SPECIFICATION

Product Overview	The mature <i>Leptospira interrogans</i> antigen LipL21 has been prepared as a recombinant antigen fused to a his-tag. It is produced from the lipL21 gene which codifies an outer membrane lipoprotein of the spirochete <i>Leptospira interrogans</i>
Species	<i>Leptospira interrogans</i>
Source	P.pastoris
Description	LipL21 is one of the important surface-exposed lipoproteins in leptospires and the most effective cross protective immunogenic antigen. This recombinant antigen is a Novel Surface-Exposed Lipoprotein of Pathogenic <i>Leptospira</i> Species and highly immunogenic, being recognized by immune sera from humans and hamsters infected with <i>Leptospira</i> .
Tag	N-His
Molecular Mass	SDS-PAGE analysis determines that the protein band is between the molecular markers of 25 and 35 kDa due to the glycosylation pattern, while relative molecular mass, calculated from amino acid sequence and without glycosylation, is 21,346.50 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF

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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.
Storage Buffer	20 mM phosphate buffer pH 8 and 0.1 M KCl
Concentration	1.70 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Seenichamy A. et al. Production and Characterization of a polyclonal antibody of anti-rLipL21-IgG against Leptospira for early detection of acute leptospirosis. BioMed Research International, Volume 2014, Article ID 592858, 8 pages. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Purity	 SDS-PAGE analysis (15%) of 1 µL of recombinant lipL21. Purity is >95% as

determined by gel electrophoresis.

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