

Recombinant *Leptospira interrogans* LipL32 Antigen, His tagged

Cat. No. LipL32-033L Lot. No. (See product label)

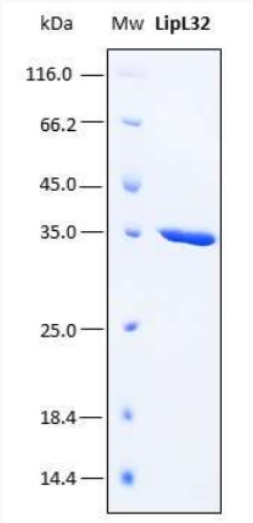
SPECIFICATION

Product Overview	The recombinant antigen LipL32 has been prepared as the mature antigen fused to a his-tag. It is produced from the ORF of the lipL32 gene which codifies the mayor outer membrane protein of the spirochete <i>Leptospira interrogans</i> without the leader peptide.
Species	<i>Leptospira interrogans</i>
Source	E.coli
Description	LipL32 is a component of the leptospiral outer membrane and the most prominent protein in the leptospiral protein profile. It is also a very important immunogen during human leptospirosis. The sequence and expression of LipL32 is highly conserved among pathogenic <i>Leptospira</i> species. These findings indicate that LipL32 may be important in the pathogenesis, diagnosis, and prevention of leptospirosis.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is at the molecular marker of 35 kDa, while relative molecular mass calculated from amino acid sequence is 34,961.4 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 6, 0.15 M NaCl and 0.1% polyoxyethylene (10) tridecyl ether
Concentration	1.16 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Haake, D., G. Chao, R. L. Zuerner, J. K. Barnett, D. Barnett, M. Mazel, J. Matsunaga, P. N. Levett, and C. A. Bolin. The leptospiral major outer membrane protein LipL32 is a lipoprotein expressed during mammalian infection. 2000, Infect Immun., 68(4):2276–2285. 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 3 μ L of recombinant LipL32. Purity is >95% as determined by gel electrophoresis.

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