

Recombinant Human Lipopolysaccharide Binding Protein

Cat. No. LBP-1661H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Lipopolysaccharide binding protein, also known as LBP, is a soluble acute phase secretory protein that binds to bacterial lipopolysaccharide (LPS) to elicit immune responses by presenting the LPS to important cell surface pattern recognition receptors called CD14 and TLR4. LBP is a major mediator of the lethal effects of endotoxemia.
Molecular Weight	The predicted molecular weight of Recombinant Human LBP is Mr 51 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 55-60 kDa.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

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GENE INFORMATION

Gene Name	LBP lipopolysaccharide binding protein [Homo sapiens]
Synonyms	LBP; lipopolysaccharide binding protein; MGC22233; lipopolysaccharide-binding protein; LPS-binding protein; OTTHUMP00000030965
Gene ID	3929
mRNA Refseq	NM_004139
Protein Refseq	NP_004130
MIM	151990
UniProt ID	P18428
Chromosome Location	20q11.23-q12
Pathway	Toll-like receptor signaling pathway; Signaling in Immune system
Function	Gram-negative bacterial cell surface binding; Gram-positive bacterial cell surface binding; cell surface binding; lipid binding; lipopolysaccharide binding; lipoteichoic acid binding; receptor binding

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