

Recombinant Human LBP (I465F) Protein, His-tagged

Cat. No. LBP-11116H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Lipopolysaccharide-binding (I465F) Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Ala 26 - Val 481 (Accession # P18428-1 (I465F)). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Ala 26
Species	Human
Source	HEK293
ProteinLength	26-481 aa
Description	Lipopolysaccharide-binding protein (LBP), a member of the BPI/LBP/Plunc superfamily, BPI/LBP family, is detected in blood serum. LBP plays a role in the innate immune response. Also, LBP can bind to the lipid A moiety of bacterial lipopolysaccharides (LPS), a glycolipid present in the outer membrane of all Gram-negative bacteria, and act as an affinity enhancer for CD14, facilitating its association with LPS. Furthermore, LBP is able to promote the release of cytokines in response to bacterial lipopolysaccharide.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 52.8 kDa. The protein migrates as 62 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.

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Purity	>95% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

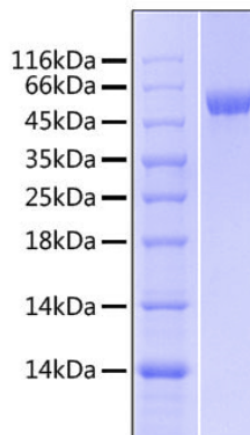
Gene Name	LBP lipopolysaccharide binding protein [Homo sapiens (human)]
Official Symbol	LBP
Synonyms	LBP; lipopolysaccharide binding protein; lipopolysaccharide-binding protein; BPI fold containing family D; member 2; BPIFD2; LPS-binding protein; BPI fold containing family D, member 2; MGC22233;
Gene ID	3929
mRNA Refseq	NM_004139
Protein Refseq	NP_004130
MIM	151990
UniProt ID	P18428

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SDS-PAGE.



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