

## Active Recombinant Human LBP

**Cat. No.** LBP-267H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human LBP (Accession # AAD21962) Ala26-Val481 was produced in Mouse myeloma cell line, NS0-derived.                                                                               |
| <b>Species</b>              | Human                                                                                                                                                                                         |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                               |
| <b>ProteinLength</b>        | 26-481 a.a.                                                                                                                                                                                   |
| <b>Predicted N Terminal</b> | Ala26                                                                                                                                                                                         |
| <b>Form</b>                 | Lyophilized from a 0.2 µm filtered solution in Tris, NaCl and EDTA with BSA as a carrier protein.                                                                                             |
| <b>Bio-activity</b>         | Measured by its ability to enhance LPS-stimulated IL-8 secretion by THP-1 human acute monocytic leukemia cells. The ED50 for this effect is typically 0.25 - 2.5 ng/mL.                       |
| <b>Molecular Mass</b>       | Recombinant Human LBP has a calculated MW of 51 kDa. In SDS-PAGE migrates as 55 - 60 kDa, reducing conditions.                                                                                |
| <b>Purity</b>               | >97%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                   |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C). |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution** Reconstitute at 50 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

**Gene Name** LBP lipopolysaccharide binding protein [ Homo sapiens ]

**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

**Chromosome Location** 20q11.23

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