Recombinant Human Lipopolysaccharide-binding protein/LBP Protein

Catalog No.: RP00418

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Sequence Information

Species
Human

Gene ID
3929

Swiss Prot
P18428

Tags
C-His

Synonyms
BPIFD2,LBP

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
51.95 kDa

Observed MW
64 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 1mM EDTA, pH 8.0.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This protein is involved in the acute-phase immunologic response to gram-negative bacterial infections. Gram-negative bacteria contain a glycolipid, lipopolysaccharide (LPS), on their outer cell wall. Together with bactericidal permeability-increasing protein (BPI), the encoded protein binds LPS and interacts with the CD14 receptor, probably playing a role in regulating LPS-dependent monocyte responses. Studies in mice suggest that the encoded protein is necessary for the rapid acute-phase response to LPS but not for the clearance of LPS from circulation. This protein is part of a family of structurally and functionally related proteins, including BPI, plasma cholesteryl ester transfer protein (CETP), and phospholipid transfer protein (PLTP).

Basic Information

Description
Recombinant Human Lipopolysaccharide-binding protein/LBP Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Ala26-Val481) of human LBP/Lipopolysaccharide-binding protein (Accession #P18428) fused with a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

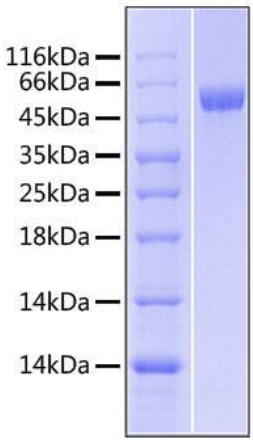
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human Lipopolysaccharide-binding protein/LBP Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.