

Human LBP / Lipopolysaccharide-binding (I465F) Protein, His Tag

Catalog # LBP-H52H5



Synonym

Lipopolysaccharide-binding protein,LBP

Source

Human Lipopolysaccharide-binding (I465F) Protein, His Tag(LBP-H52H5) is expressed from human 293 cells (HEK293). It contains AA Ala 26 - Val 481 (Accession # [P18428-1](#) (I465F)).
Predicted N-terminus: Ala 26

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.
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 per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

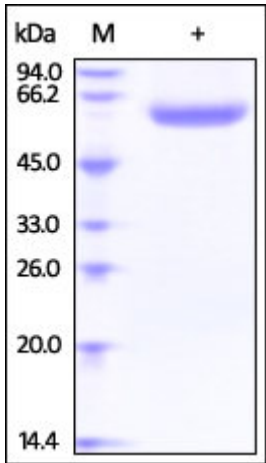
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human Lipopolysaccharide-binding (I465F) Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Background

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. Alao,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.

Discounts, Gifts,
and more!



Human LBP / Lipopolysaccharide-binding (l465F) Protein, His Tag

Catalog # LBP-H52H5



Discounts, Gifts,
and more!

