



Recombinant Protein Technical Manual

Recombinant Human LBP Protein (His Tag)

RPES3788

Product Data:

Product SKU: RPES3788

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: NP_004130.2

Protein Information:

Molecular Mass: 52.0 kDa

AP Molecular Mass: 64 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Lipopolysaccharide-Binding Protein; LBP;BPIFD2

Immunogen Information:

Sequence: Ala26-Val481

Background:

Lipopolysaccharide binding protein (LBP) is a plasma protein, belongs to a member of structurally and functionally related proteins which includes bactericidal permeability-increasing protein (BPI), plasma cholesteryl ester transfer protein (CETP) and phospholipid transfer protein (PLTP). It is involved in the acute-phase immunologic response to gram-negative bacterial infections. In cooperation with BPI. LBP binds LPS and interacts with the CD14 receptor, most likely playing a role in regulating LPS-dependent monocyte responses. Studies suggest that LBP is necessary for the rapid acute-phase response to LPS but not for the clearance of LPS from circulation. Finally, t The LBP gene is found on chromosome 20, directly downstream of the BPI gene.