

Lipopolysaccharide Recombinant Protein | LBP recombinant protein

Recombinant Human Lipopolysaccharide-Binding Protein

CATALOG #
AAA174595

HOST
HEK293 Cells

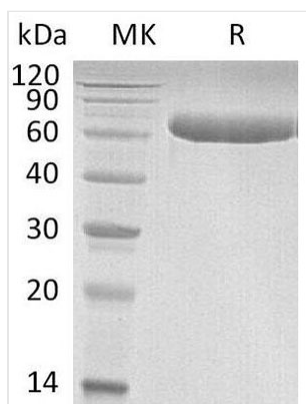
PRODUCT SYNONYMS

Lipopolysaccharide; Recombinant Human Lipopolysaccharide-Binding Protein; Lipopolysaccharide-Binding Protein; LBP; LBP recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 500mM NaCl, 1mM EDTA, pH 8.0.
Sequence Length	481
Species	Human
Endotoxin	<1.0 EU per ug as determined by LAL test.
Sequence	Ala26-Val481
Fusion Tag	C-His
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days Aliquots of reconstituted samples are stable at <-20 degree C for 3 months

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LBP recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31652249
NCBI GeneID	3929
NCBI Accession #	NP_004130.2
NCBI GenBank Nucleotide #	NM_004139.5
UniProt Accession #	P18428; O43438; Q92672; Q9H403; Q9UD66; B2R938
Molecular Weight	Calculated MW:52.0 kDa Observed MW: 64 kDa
NCBI Official Full Name	lipopolysaccharide-binding protein
NCBI Official Synonym Full Names	lipopolysaccharide binding protein
NCBI Official Symbol	LBP
NCBI Official Synonym Symbols	BPIFD2
NCBI Protein Information	lipopolysaccharide-binding protein
UniProt Protein Name	Lipopolysaccharide-binding protein
UniProt Gene Name	LBP
UniProt Synonym Gene Names	LBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.