

LBP recombinant protein

Recombinant human LBP protein

CATALOG # AAA48386	HOST HEK293	APPLICATIONS SDS-Page
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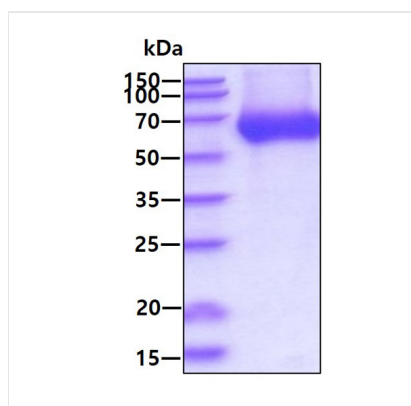
PRODUCT SYNONYMS

LBP; Recombinant human LBP protein; Lipopolysaccharide-binding protein; BPIFD2; MGC22233; LCD-binding protein; OTTHUMP00000030965; LBP recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	>95% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.25mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	26-481aa
Sequence	ANPGLVARIT DKGLQYAAQE GLLALQSELL RITLPDFTGD LRIPHVGRGR YEFHSLNIHS CELLHSALRP VPGQGLSLSI SDSSIRVQGR WKVRKSFFKL QGSFDVSVKG ISISVNLLLG SESSGRPTVT ASSCSDIAD VEVDMSGDLG WLLNLFHNQI ESKFQKVLES RICEMIQSV SSDLQPYLQT LPVTTEIDSF ADIDYSLVEA PRATAQMLEV MFKGEIFHRN HRSPVTLAA VMSLPEEHNK MUYFAISDYV FNTASLVYHE EGYLNFSITD DMIPPDNIR LTTKSFRPFV PRLARLYPNM NLELQGSVPS APLLNFSPGN LSVDPYMEID AFVLLPSSSK EPVFRLSVAT NVSATLTENT SKITGFLKPG KVKVELKESK VGLFNAELLE ALLNYYILNT FYPKFNDKLA EGFPLPLLKR VQLYDLGLQI HKDFLFLGAN VQYMRV
Applicable Applications for LBP recombinant protein	SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Tag	His-Tag
Predicted N-term	Ala 26
Preparation and Storage	For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for LBP recombinant protein	LBP, also known as Lipopolysaccharide-binding protein, is a glycoprotein member of the BPI/LBP family of lipid-binding proteins. LBP is a glycoprotein that is synthesized principally by hepatocytes. It binds to the lipid A moiety of bacterial lipopolysaccharides (LPS), a glycolipid present in the outer membrane of all Gram-negative bacteria. It binds to LPS to elicit immune responses by presenting the LPS to important cell surface pattern recognition receptors called CD14 and TLR4. Recombinant human LBP, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Product Categories/Family for LBP recombinant protein	Immunology; Proteins
References	J. Weiss, 2003, Biochemical Society Transactions: Volume 31, part 4: 785-790. Hubacek J.A., et al., 1997, Biochem. Biophys. Res. Commun. 236:427-430.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31652249
NCBI GeneID	3929
NCBI Accession #	NP_004130.2
NCBI GenBank Nucleotide #	NM_004139.3
UniProt Accession #	P18428; O43438; Q92672; Q9H403; Q9UD66; B2R938
Molecular Weight	51.7kDa (462aa)
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; LPS-binding protein; BPI fold containing family D, member 2
UniProt Protein Name	Lipopolysaccharide-binding protein
UniProt Gene Name	LBP
UniProt Synonym Gene Names	LBP
UniProt Entry Name	LBP_HUMAN

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.