

Product datasheet for **MC206463**

Lbp (BC004795) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lbp (BC004795) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lbp
Synonyms:	Bpifd2; Ly88
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC004795
 CTAGTTAAGAACCAGAGCCAGCCACTCTGTACAGTCCTCACTCCCCACGGAGCATCCAGGATGAA
 GGCTGGGACTGGACCTCTGCTCTACATTGCTGGGGCTGCTGTTCTGTCCATACAGGGAAGTGGCGGT
 GTCAACCCCGGTGTGGTGGCCAGGATCACCGACAAGGGCTGGCCTACGCGGCCAAGGAGGGGCTGGTGG
 CTCTGCAGAGAGAGCTGTACAAGATCACACTACCGGACTTCAGCGGGGACTTCAAGATCAAGGCCGTGGG
 TCGTGGGCAGTACGAGTTTCATAGCCTGGAGATTCAGAAGTGTGAGCTGCGTGGCTCCTCTGAAGCTG
 TCCCAAGGCCAGGGCCTGAGTCTCGCCATCTGACTCTCCATCGGTGTCCGAGGCAAAATGGAAGGTGC
 GCAAAATCCTTCTGAAACTTCATGGCTCCTTTGACCTGGATGTCAAAGGTGCACCATTTTCAAGTGGACCT
 CCTCTGGGCATGGATCCCTCAGGGCGGCCACAGTCTCTGCCTCTGGGTGCAGCAGCCGATTTGTGAT
 TTGGATGTGCACATATCAGGAAATGTGGGGTGGCTGCTGAATCTTCCACAACCAGATCGAGTCGAAGC
 TCCAAAAAGTACTGGAGAATAAGGTTTGTGAGATGATCCAGAAGTCTGTGACCTCTGACCTGCAGCCTTA
 TCTCCAGACTCTGCCAGTACAGCAGAGATCGACAATGTCTGGGCATTGACTACAGTTTGGTGGCGGT
 CCCCAAGCGAAGGCCAGGTGCTGGATGTCATGTTTAAAGGGTAAATTTTAAATCGGAATCACCGCTCTC
 CAGTTGCTACCCCACTCCGACCATGAGCTACCTGAGGACAGTAAGCAAATGGTCTACTTTTCCATCTC
 AGATCATGCCTTCAACATAGCAAGCCGGTTTATCACCAGGCTGGGTACCTGAATTTTCCATCACAGAT
 GACATGTTACCACCTGACTCCAGCATCCGGTTGAACACCAAGGCCTTCCGTCCCTCACTCCCCAGATAT
 ACAAAAAGTATCCCGACATGAAACTGGAGCTCCTTGAACAGTGGTCTCTGCCCCGATTCTGAATGTCAG
 TCCTGGGAATCTGTCTTGGCCCCACAGATGGAGATTGAAGGCTTTGTGATCCTGCCACCTCCGCCCGG
 GAACCTGTCTTCCGGCTTGGCGTGGTCACTAATGTATTTGCCCTAATACTTTCAACAACAGCAAGGTTA
 CCGGGATGCTGCACCCAGACAAGGCACAAGTGAGACTGATCGAATCCAAAGTCCGGCATGTTCAATGTGAA
 CCTGTTCCAGGCATTCTTAACACTACTCTTCAACAGCCTCTACCCTGATGTCAATGCTGAGCTGGCC
 CAGGGCTTCCCCTCCCTCTGCCAAGGCATATTCAGCTCCACGACCTCGACTTCCAGATCCGCAAGGACT
 TCTTACTTGGGTGCCAATGTCCAGTACATGAGAGTCTGAGGACAAGAAGAAAGATGGGTCTTAGTGGC
 CACAGCTGGACCGCCATTTGTAATTCAGATGTACAGCACATCTCTGGAGAGTCTCAAAAATACAAGAT
 GTTTCTGCTCCTGGCTCCGGTGGGCCCTGACCCAGAGTTCTCTTCCAGCAGGTGCACCCCTTGACCTGGAC
 TTGACTCCGTCCCATCTCCAGGAAGGTCCCCTCCCCTCACTGACCTCTCCAGGAAGGGCCCTCTTAAC
 ACTGGGTGGGAGACCTGGAATCACTTTAAGAGCAGGCACTGTGGTTTTAAATTCACCATCTGACCTTCAT
 GTCTGACAGGGTCTGGCACTTTGTAGTCTCAATAAATATTTATAGAATATCACAAAAA A

Restriction Sites: EcoRI-NotI

ACCN: BC004795

Insert Size: 1446 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC004795](#), [AAH04795](#)

RefSeq Size: 1891 bp

RefSeq ORF: 1446 bp

Locus ID: 16803

Cytogenetics: 2 78.72 cM

Gene Summary: Plays a role in the innate immune response. Binds to the lipid A moiety of bacterial lipopolysaccharides (LPS), a glycolipid present in the outer membrane of all Gram-negative bacteria (PubMed:9144073). Acts as an affinity enhancer for CD14, facilitating its association with LPS (By similarity). Promotes the release of cytokines in response to bacterial lipopolysaccharide (PubMed:24380872).[UniProtKB/Swiss-Prot Function]