

## Product datasheet for **MR207709**

### Lbp (NM\_008489) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lbp (NM_008489) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lbp
Synonyms:	Bpifd2; Ly88
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207709 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGGCTGGGACTGGACCTCTGCTCTACATTGCTGGGGCTGCTGTTCTGTCCATACAGGAACTG  
 GCGGTGTCAACCCGGTGTGGTGGCCAGGATCACCGACAAGGGCCTGGCCTACGCGGCCAAGGAGGGCT  
 GGTGGCTCTGCAGAGAGAGCTGTACAAGATCACTACCGGACTTCAGCGGGGACTTCAAGATCAAGGCC  
 GTGGGTGCTGGGAGTACGAGTTTCATAGCCTGGAGATTCAGAACTGTGAGCTGCGTGGCTCCTCTCTGA  
 AGCTGCTCCCAGGCCAGGGCCTGAGTCTCGCCATCTGACTCTTCCATCGGTGTCGAGGCAAATGGAA  
 GGTGCGCAAATCCTTCTGAACTTCATGGCTCCTTTGACCTGGATGTCAAAGGTGTACCATTTTCAGTG  
 GACCTCCTCTGGGCATGGATCCCTCAGGGCGGCCACAGTCTCTGCCTCTGGGTGCAGCAGCCGATTT  
 GTGATTTGGATGTGCACATATCAGGAAATGTGGGGTGGCTGCTGAATCTTCCACAACCAGATCGAGTC  
 GAAGCTCCAAAAGTACTGGAGAATAAGTTTTGTGAGATGATCCAGAAGTCTGTGACCTCTGACCTGCAG  
 CCTATCTCCAGACTCTGCCAGTCACAGCAGAGATCGACAATGTCTGGGCATTGACTACAGTTTGGTGG  
 CGGCTCCCAAGCGAAGGCCAGGTGCTGGATGTGATGTTAAGGGTGAATTTTAAATCGGAATCACCG  
 CTCTCCAGTTGCTACCCCACTCCGACCATGAGCCTACCTGAGGACAGTAAGCAAATGGTCTACTTTTCC  
 ATCTCAGATCATGCCTTCAACATAGCAAGCCGGTTTATCACCAGGCTGGGTACCTGAACTTTCCATCA  
 CAGATGACATGTTACCACCTGACTCCAGCATCCGGTTGAACCAAGGCCTTCCGTCCCTTCACTCCCA  
 GATATACAAAAGTATCCCGACATGAACTGGAGCTCCTTGAACAGTGGTCTCTGCCCGATTCTGAAT  
 GTCAGTCTGGGAATCTGCTTCCGGCTTGGCGTGGTCACTAATGTATTTGCCTCATTAACTTCAACAAC  
 CCCGGAACTGTCTTCCGGCTTGGCGTGGTCACTAATGTATTTGCCTCATTAACTTCAACAACAGTAA  
 GGTTACCGGGATGCTGCACCCAGACAAGGCACAAGTGAGACTGATCGAATCCAAAGTCCGGATGTTCAAT  
 GTGAACCTGTTCCAGGATTCCTTAACTACTACCTTCTCAACAGCCTCTACCCTGATGTCATGCTGAGC  
 TGGCCAGGGCTTCCCTCTGCAAGGCATATTAGCTCCACGACCTCGACTTCCAGATCCGCAA  
 GGACTTCTATACTTGGGTGCCAATGTCCAGTACATGAGAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207709 protein sequence  
 Red=Cloning site Green=Tags(s)

MKAGTGPLLSTLLGLLFLSIQGTGGVNPVVARITDKGLAYAAKEGLVALQREL YKITLPDFSGDFKIK  
 VGRGQYEFHSLEIQNCELRGSSLKLLPGQLSLAISDSSIGVRGKWKVRKSFLLKLGHSFDLVDKGV  
 TISV DLLLGMDFPSGRPTVSASGSSRICDLVDVHISGNVWLLNLFHNQIESKLQKVLNKCMIQKSVTSD  
 LQ PYLQTLPVTAEIDNVLGIDYSLVAAPQAKAQVLDVMFKGEIFNRNHRSPVATPTPTMSLPEDSKQ  
 MYYFS ISDHAFNIASRVYHQAGYLNFSITDDMLPPDSSIRLNTKAFRPFPTQIYKYPDMKLELLG  
 TVVSAPILN VSPGNLSLAPQMEIEGFVILPVSAREPVFRLGVVTVNFASLTFNNSKVTGMLHPDKA  
 QVRLIESKVMGMFN VNLQAFNLNYLLNSLYPDVNAELAQGFPLPLPRHIQLHDLDFQIRKDFLYL  
 GANVQYMRV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

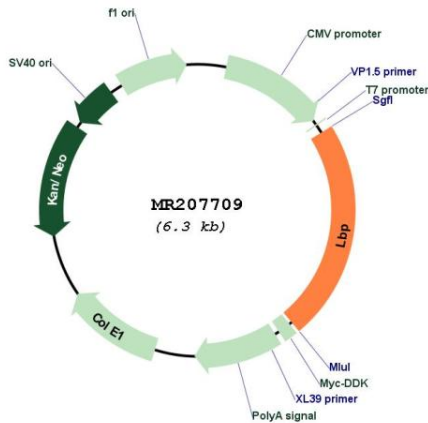


**Cytogenetics:** 2 78.72 cM

**MW:** 53 kDa

**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]

**Product images:**



Circular map for MR207709