Active Recombinant Mouse Lbp, His-tagged

Cat. No. Lbp-248M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lbp, Gly25-Val481 (Ser102Arg, Tyr284His), fused with a C-terminal 6-His tag, was expressed in Mouse NSO Cells.
Species	Mouse
Source	Mammalian Cells
ProteinLength	25-481 a.a.
Description	Lipopolysaccharide binding protein is a proteinthat in humans is encoded by the LBP gene.
Predicted N Terminal	Gly25
Form	Lyophilized from a 0.2 μm filtered solution in MES, NaCl, PEG and CHAPS.
Bio-activity	Measured by its ability to enhance LPS-stimulated IL-8 secretion by THP-1 human acute monocytic leukemia cells.
Molecular Mass	Predicted Molecular Mass: 51.5 kDaSDS-PAGE: 60-65 kDa, reducing conditions
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 °C as supplied.1 month, 2 to 8 °C under sterile conditions

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	after reconstitution.3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 g/mL in PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	Lbp lipopolysaccharide binding protein [Mus musculus (house mouse)]
Official Symbol	Lbp
Synonyms	Lbp; lipopolysaccharide binding protein; Ly88; Bpifd2
Gene ID	16803
mRNA Refseq	NM_008489
Protein Refseq	NP_032515
UniProt ID	Q61805
Chromosome Location	2 H1; 2 78.72 cM
Pathway	Innate Immune System; NF-kappa B signaling pathway; Transfer of LPS from LBP carrier to CD14
Function	lipid binding; lipopolysaccharide binding; receptor binding

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