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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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Datasheet

LBP (Human) Recombinant Protein (P01)

Catalog Number: H00003929-P01

Regulation Status: For research use only (RUO)

Product Description: Human LBP full-length ORF (AAH22256, 26 a.a. - 477 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

ANPGLVARITDKGLQYAAQEGLLALQSELLRITLPDFTG
DLRIPHVGRGRYEFHSLNIHSCCELLHSALRPVPGQGLS
LSISDSSIRVQGRWKVRKSFFKLQGSFDVSVKGISISV
DLLLGSSESSRPTVTASSCSDIADVEVDMSGDLGWL
LNLFHNQIESKFQKVLESRICEMIQSVSSDLQPYLQTL
PVTTEIDSFADIDYSLVEAPRATAQMLEVFMFKGEIFHR
NHRSPVTLAAVMSLPEEHNKMOVFAISDYVFNTASLV
YHEEGLNFSITDDMIPPDSNIRLTTKSFPRFVRLARL
YPNMNLELQGSVPSAPLLNFSPGNLSVDPYMEIDAFVL
LPSSSKEPVFRLSVATNVSATLTFNTSKITGFLKPGKVK
VELKESKVLGFNAELLEALLNYIINTFYPKFNDKLAEG
FPLPLLKRVQLYDLGLQIHKDFPSRRDHP

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 75.46

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3929

Gene Symbol: LBP

Gene Alias: MGC22233

Gene Summary: The protein encoded by this gene is involved in the acute-phase immunologic response to gram-negative bacterial infections. Gram-negative bacteria contain a glycolipid, lipopolysaccharide (LPS), on their outer cell wall. Together with bactericidal permeability-increasing protein (BPI), the encoded protein binds LPS and interacts with the CD14 receptor, probably playing a role in regulating LPS-dependent monocyte responses. Studies in mice suggest that the encoded protein is necessary for the rapid acute-phase response to LPS but not for the clearance of LPS from circulation. This protein is part of a family of structurally and functionally related proteins, including BPI, plasma cholesteryl ester transfer protein (CETP), and phospholipid transfer protein (PLTP). Finally, this gene is found on chromosome 20, immediately downstream of the BPI gene. [provided by RefSeq]

References:

1. Necro-inflammatory response of pancreatic acinar cells in the pathogenesis of acute alcoholic pancreatitis. Gu H, Werner J, Bergmann F, Whitcomb DC, Buchler MW, Fortunato F Cell Death Dis. 2013 Oct 3;4:e816. doi: 10.1038/cddis.2013.354.
2. Induction of a microbicidal protein psoriasin (S100A7), and its stimulatory effects on normal human keratinocytes. Niyonsaba F, Hattori F, Maeyama K, Ogawa H, Okamoto K. J Dermatol Sci. 2008 Dec;52(3):216-9. Epub 2008 Aug 15.