

## MBL2 Human

**Description:** MBL2 Human Recombinant produced in E. coli is a single polypeptide chain containing 164 amino acids (108-248) and having a molecular mass of 18 kDa. MBL2 is fused to 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-1292

**Synonyms:** COLEC1, HSMBPC, MBL, MBL2D, MBP, MBP-C, MBP1, Mannose-binding protein C, Collectin-1, Mannan-binding protein, Mannose-binding lectin.

For research use only.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MGSAASERKA LQTEMARIKK  
WLTFSLGKQV GNKFFLTNGE IMTFEKVKAL CVKFQASVAT PRNAAENGAI QNLIKEEAFI  
GITDEKTEGQ FVDLTGNRLT YTNWNEGEPN NAGSDEDCVL LLKNGQWNDV PCSTSHLAVC  
EFPI.

**Purity:** Greater than 90% as determined by SDS-PAGE.

### Formulation:

The MBL2 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 20% glycerol and 0.2M NaCl.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Mannose-binding protein C (MBL2), belongs to the collectin family of pattern recognition molecules and is an important component in the innate immune system. MBL2 is a secreted glycoprotein which recognizes mannose and N-acetylglucosamine on various microorganisms, and is capable of activating the classical complement pathway. Lacking MBL2 has been associated with susceptibility to autoimmune and infectious diseases.

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