RP00525

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# Recombinant Human MBL-2/MBP-C Protein

**Catalog No.: RP00525** Recombinant

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| Human | 4153 | P11226 |

**Tags**
C-6×His

**Synonyms**
MBL2;COLEC1;HSMBPC;MBL;MBL2D;MBP;MBP-C;MBP1;MBPD

## Background

Mannose-Binding Protein C (MBP-C) belongs to the Collectin family of innate immune defense proteins. MBLbinds to an array of carbohydrate patterns on pathogen surfaces. Collectin family members share commonstructural features: a cysteine rich amino-terminal domain, a collagen-like region, an α-helical coiled-coil neckdomain and a carboxy terminal C-type Lectin or carbohydrate recognition domain (CRD). MBL homotrimerizesto form a structural unit joined by N-terminal disulfide bridges. These homotrimers further associates intooligomeric structures of up to 6 units. Whereas two forms of MBL proteins exist in rodents and other animals.Human MBL-2 is 25 kDa. Human MBL-2 is a secreted glycoprotein that is synthesized as a 248 amino acid (aa)precursor that contains a 20 aa signal sequence, a 21 aa cysteine-rich region, a 58 aa collagen-like segment anda 111 aa C-type lectin domain that binds to neutral bacterial carbohydrates.

## Product Information

| Source | Purification |
|---|---|
| HEK293 cells | > 95% by SDS-PAGE. |

**Endotoxin**
< 1 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5% Threhalose, pH 7.2.Contact us for customized product form or formulation.

**Reconstitution**
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Basic Information

**Description**
Recombinant Human MBL-2/MBP-C Protein is produced by Human cells expression system. The target protein is expressed with sequence (Glu21-Ile248) of human MBL-2/MBP-C (Accession #P11226) fused with a 6×His tag at the C-terminus.

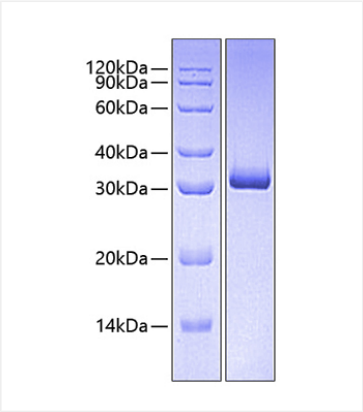
**Bio-Activity**

**Storage**
Store the lyophilized protein at -20°C to -80 °C for long term.<br>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

www.abclonal.com

## Validation Data




Recombinant Human MBL-2/MBP-C Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.