

Recombinant Human MBP-C/MBL-2 Protein

Catalog No.: RP00095 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	4153	P11226

Tags

C-His

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
24.86 kDa	30-35 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

This protein is soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes mannose and N-acetylglucosamine on many microorganisms, and is capable of activating the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases.

Basic Information

Description

Recombinant Human MBP-C/MBL-2 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Glu21-Ile248) of human MBL2/MBL/COLEC1 (Accession #NP_000233.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

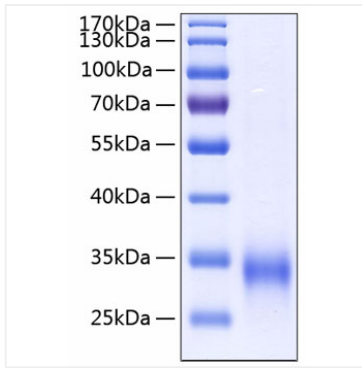
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

Validation Data



Recombinant Human MBP-C/MBL-2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 30-35 kDa.