

Recombinant Human MBL2 Protein, His-tagged

Cat. No. MBL2-1098H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MBL2 Protein (Leu130-Ile248) with His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Leu130-Ile248
Description	This gene encodes the 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 and binds to mannose and N-acetylglucosamine on many microorganisms, including bacteria, yeast, and viruses including influenza virus, HIV and SARS-CoV. This binding activates the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 14.6 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MBL2 mannose binding lectin 2 [Homo sapiens (human)]
Official Symbol	MBL2
Synonyms	MBL2; mannose binding lectin 2; MBL; MBP; MBP1; MBPD; MBL2D; MBP-C; COLEC1; HSMBPC; mannose-binding protein C; collectin-1; mannan-binding lectin; mannose-binding lectin (protein C) 2, soluble (opsonic defect); mannose-binding lectin 2, soluble (opsonic defect)
Gene ID	4153
mRNA Refseq	NM_000242
Protein Refseq	NP_000233

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MIM	154545
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UniProt ID	P11226
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