Recombinant human mannan-binding lectin/MBL2 protein

Catalog Number: ATGP1812

PRODUCT INFORMATION

Expression system
E.coli

Domain
108-248aa

UniProt No.
P11226

NCBI Accession No.
NP_000233

Alternative Names
Mannose binding lectin 2, MBL, Collectin 1, Mannose-binding protein, COLEC1, MBP-C, MBP1, MBP, MBL

PRODUCT SPECIFICATION

Molecular Weight
18 kDa (164aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 20% glycerol, 0.2M Nacl

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Mannose-binding protein C, also known as MBL2, is a member of the collectin family of patternrecognition molecules. MBL2 is a secreted glycoprotein that is synthesized as a 248 amino acid precursor. 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. Recombinant human MBL2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

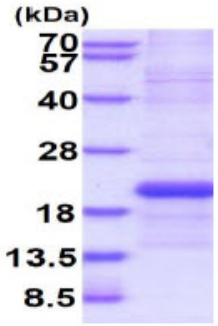
MGSSHHHHHH SSGLVPRGSH MGSAASERKA LQTEMARIKK WLTFSLGKQV GNKFFLTNGE IMTFEKVKAL CVKFQASVAT PRNAAENGAI QNLIKEEAFL GITDEKTEGQ FVDLTGNRLT YTNWNEGEPN NAGSDEDCVL LLKNGQWNDV PCSTSHLAVC EFPI

General References

Sastry K., et al. (1989) J Exp Med. 170:1175.
Larsen F., et al. (2004) J Biol Chem. 279:21302.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.