

Recombinant Human mannose-binding lectin (protein C) 2, soluble, His-tagged

Cat. No. MBL2-373H Lot. No. (See product label)

SPECIFICATION

Product Overview	MBL2, 108-248aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	108-248 a.a.
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 20% glycerol, 0.2M Nacl
Molecular Mass	18 kDa (164aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSAASERKA LQTEMARIKK WLTFSLGKQV GNKFFLTNGE IMTFEKVKAL CVKFQASVAT PRNAAENGAI QNLIKEEAFI GITDEKTEGQ FVDLTGNRLT YTNWNEGEPN NAGSDEDCVL LLKNGQWNDV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	PCSTSHLAVC EFPI
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	MBL2 mannose-binding lectin (protein C) 2, soluble [Homo sapiens]
Official Symbol	MBL2
Synonyms	MBL2; mannose-binding lectin (protein C) 2, soluble; mannose binding lectin (protein C) 2, soluble (opsonic defect) , MBL; mannose-binding protein C; COLEC1; collectin-1; mannan-binding lectin; mannose-binding lectin 2, soluble (opsonic defect); mannose-binding lectin (protein C) 2, soluble (opsonic defect); MBL; MBP; MBP1; MBL2D; MBP-C; HSMBPC; MGC116832; MGC116833;
Gene ID	4153
mRNA Refseq	NM_000242
Protein Refseq	NP_000233
MIM	154545
UniProt ID	P11226

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Chromosome Location	10q11.2
Pathway	Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem; Innate Immune System, organism-specific biosystem;
Function	bacterial cell surface binding; calcium-dependent protein binding; eukaryotic cell surface binding; mannose binding; mannose binding; protein binding; receptor binding; sugar binding;

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