

## Mannose Binding Lectin (MBL) Recombinant Protein | MBL recombinant protein

Recombinant Mannose Binding Lectin (MBL)

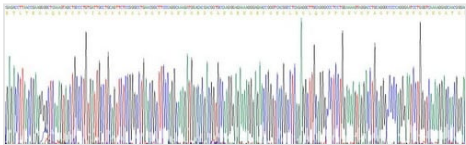
|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA134566</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

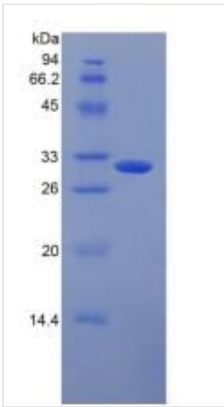
Mannose Binding Lectin (MBL); Recombinant Mannose Binding Lectin (MBL); MBL recombinant protein

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity/Purification                                 | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                         | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                                            | Thetargetp roteinisfu sedwithN-t erminalHis -Tag,itsse quenceisli stedbelow.<br>MGHHHH HHS GS-ETLT EGAQSSCPVI ACSSPGLNGF PGKDGHDGAK GEKGEPGQGL RGLQGPPGKV<br>GPAGPPGNPG SKGATGPKGD RGSVEFDDT NIDLEIAALR SELRAMRKWV LLSMSENVGK KYFMSSVRRM<br>PLNRAKALCS ELQGT VATPR NAEENRAIQN VAKDVAFLGI TDQRTENVFE DLTGNRVRYT NWNEGEPNNV<br>SGGENCVLL TNGKWNDVPC SDSFLVCEFD SD                                                                                                                                                                                                                                                         |
| Sequence Length                                     | 244                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for MBL recombinant protein | WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Organism                                            | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Expression System                                   | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Residues                                            | Glu19~Asp244 (Accession # P08661) with N-terminal His-Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Endotoxin Level                                     | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reconstitution                                      | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                             | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition. |



Application Data



SDS-PAGE

ET LTEGAQSSCP VIACSSPGLN GFPKDGHDG  
AKGEKGEPPQ GLRGLQGPPG KVGPAAGPPN PGSKGATGPK GDRGESVEFD  
TTNIDLEIAA LRSELAMRK WVLLSMSENV GKQYFMSSVR RMPLNRAKAL  
CSELQGTAT PRNAEENRAI QNVAKDVAFL GITDQRTENV FEDLTGNRVR  
YTNWNEGEPN NVGSGENCVV LLTNGKWNVD PCSDSFLVVC EFSQ

Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 148747321                                                                                                                                                                                                                                          |
| NCBI GeneID                      | 64668                                                                                                                                                                                                                                              |
| NCBI Accession #                 | NP_073195.2                                                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_022704.2                                                                                                                                                                                                                                        |
| UniProt Accession #              | P08661                                                                                                                                                                                                                                             |
| Molecular Weight                 | 25.3kDa                                                                                                                                                                                                                                            |
| NCBI Official Full Name          | mannose-binding protein C                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | mannose-binding lectin (protein C) 2                                                                                                                                                                                                               |
| NCBI Official Symbol             | Mbl2                                                                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | Ab2-001; Ab2-011                                                                                                                                                                                                                                   |
| NCBI Protein Information         | mannose-binding protein C; MBP-C; RARF/P28A; raRF p28A; mannan-binding protein; RA-reactive factor P28A subunit; mannose-binding protein C (liver); mannose binding lectin 2 (protein C); ra-reactive factor polysaccharide-binding component p28A |
| UniProt Protein Name             | Mannose-binding protein C                                                                                                                                                                                                                          |
| UniProt Gene Name                | Mbl2                                                                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | MBP-C; RaRF p28A                                                                                                                                                                                                                                   |
| UniProt Entry Name               | MBL2_RAT                                                                                                                                                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.