

## Recombinant Rat Mbl2 protein, His-tagged

**Cat. No.** Mbl2-7021R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Mbl2 aa. (Glu19~Asp244) fused with N-terminal His tag was produced in E. coli cells.                                                                      |
| <b>Species</b>          | Rat                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                    |
| <b>ProteinLength</b>    | Glu19~Asp244                                                                                                                                                              |
| <b>Description</b>      | A lectin that binds mannose and N-acetylglucosamine.                                                                                                                      |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                       |
| <b>Molecular Mass</b>   | 30kDa as determined by SDS-PAGE reducing conditions.                                                                                                                      |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                             |
| <b>Purity</b>           | >95%                                                                                                                                                                      |
| <b>Characteristic</b>   | The isoelectric point is 6.0.                                                                                                                                             |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling                                                                                                      |
| <b>Stability</b>        | 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°C for 48h, |

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and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Concentration</b>  | 200ug/mL                                                                                                   |
| <b>Storage buffer</b> | PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.                               |
| <b>Reconstitution</b> | Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                            |

## GENE INFORMATION

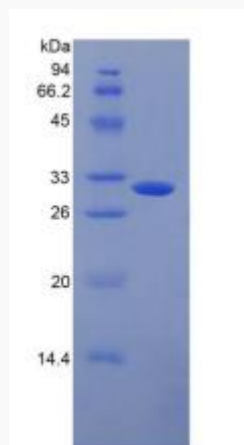
|                        |                                                                                                                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Mbl2 mannose-binding lectin (protein C) 2 [ Rattus norvegicus (Norway rat) ]                                                                                                                                                                                                                                     |
| <b>Official Symbol</b> | Mbl2                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | Mbl2; mannose-binding lectin (protein C) 2; Ab2-001; Ab2-011; mannose-binding protein C; MBP-C; RA-reactive factor P28A subunit; RARF/P28A; mannan-binding protein; mannose binding lectin 2 (protein C); mannose-binding protein C (liver); ra-reactive factor polysaccharide-binding component p28A; raRF p28A |
| <b>Gene ID</b>         | 64668                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_022704.2                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_073195.2                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | P08661                                                                                                                                                                                                                                                                                                           |

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**SDS-PAGE**



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