

## Recombinant Mouse C3 protein, His-tagged

**Cat. No.** C3-7632M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse C3 (Ala965~Arg1303) protein is produced by E. coli expression system. This protein is fused with a His tag at the N-terminus.                                                                                                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Ala965-Arg1303                                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 42 kDa                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | ADLSDQVPDSTDSETRILQGSPVVQMAEDAVDGERLKHIVTPAGCGEQNMIGMTPT<br>VIAVHYLDQTEQWEKFGIEKRQEALIELIKKGYTQQLAFKQPSSAYAAFNNRPPSTWL<br>TAYVVKVFSLAANLIAIDSHVLCGAVKWLILEKQKPDGVFQEDGPVIHQEMIGGFRNA<br>KEADVSLTAFVLIALQEARDICEGQVNSLPGSINKAGEYIEASYMNLQRPYTVAIAGY<br>ALALMNKLEEPYLGKFLNTAKDRNRWEEPQQQLYNVEATSYALLALLLKDFDSVPP<br>VVRWLNEQRYYGGGYGSTQATFMVVFQALAQYQTDVDPDHKDLNWDVVSFHLPSR |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 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. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                         |

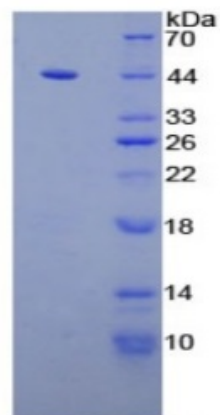
## GENE INFORMATION

|                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | C3 complement component 3 [ <i>Mus musculus</i> ]                                                                     |
| <b>Official Symbol</b> | C3                                                                                                                    |
| <b>Synonyms</b>        | C3; complement component 3; complement C3; complement factor 3; complement component 3d; ASP; Plp; HSE-MSF; AI255234; |
| <b>Gene ID</b>         | 12266                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_009778                                                                                                             |
| <b>Protein Refseq</b>  | NP_033908                                                                                                             |
| <b>UniProt ID</b>      | P01027                                                                                                                |

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