

## Recombinant Mouse IgE Protein, His-tagged

**Cat. No.** IgE-2278M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse IgE Protein (Ser1-Ser421) with a N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Ser1-Ser421                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Immunoglobulin is a protein of animal origin with known antibody activity. Immunoglobulins are major components of what is called the humoral immune response system. They are synthesized by lymphocytes and plasma cells and found in the serum and in other body fluids and tissues, including the urine, spinal fluid, lymph nodes, and spleen. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 51.0 kDa<br>Accurate Molecular Mass: 51 kDa                                                                                                                                                                                                                                                                               |
| <b>Endotoxin</b>        | <1.0 EU 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>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                          |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                            |

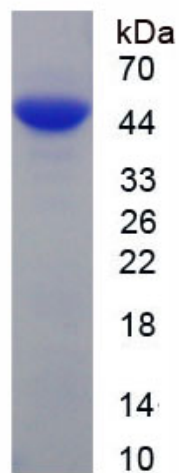
## GENE INFORMATION

|                        |                                       |
|------------------------|---------------------------------------|
| <b>Gene Name</b>       | IgE                                   |
| <b>Official Symbol</b> | IgE                                   |
| <b>Synonyms</b>        | IgE heavy chain constant region; IGHE |
| <b>UniProt ID</b>      | P06336                                |

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