

# Recombinant Human IgA1 Protein, His-tagged

**Cat. No.** IgA1-2693H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human IgA1 Protein (DYKDDDDK+Ala1-Tyr353) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | DYKDDDDK+Ala1-Tyr353                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Immunoglobulins, also known as antibodies, are glycoprotein molecules produced by plasma cells (white blood cells).                                                                                                                                                                                                                          |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 41.4 kDa<br>Accurate Molecular Mass: 44 kDa                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                   |
| <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. |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

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| <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. |
|----------------|------------------------------------------------------------------------------------------------------------------------------|

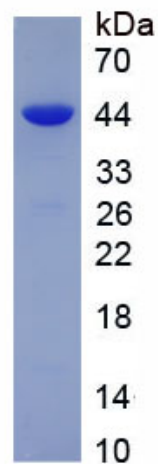
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| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
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|                       |                                                                                        |
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| <b>Reconstitution</b> | Reconstitute in ddH <sub>2</sub> O to a concentration of 0.1-0.5 mg/mL. Do not vortex. |
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## GENE INFORMATION

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|------------------------|-------------|
| <b>Official Symbol</b> | <b>IgA1</b> |
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|-----------------|-------------------------------------------------------------------------|
| <b>Synonyms</b> | IGHA1; Immunoglobulin heavy constant alpha 1; Ig alpha-1 chain C region |
|-----------------|-------------------------------------------------------------------------|



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