

## Recombinant Rat Igf1 protein, His & GST-tagged

**Cat. No.** Igf1-814R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Igf1 aa. (Gly23~Ala92 (Accession # P08025)) fused with N-terminal His & GST tag was produced in E. coli cells.                                            |
| <b>Species</b>          | Rat                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                    |
| <b>ProteinLength</b>    | Gly23~Ala92                                                                                                                                                               |
| <b>Description</b>      | Growth factor; plays a major role in mammalian growth.                                                                                                                    |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                       |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 40.1kDa                                                                                                                                         |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                              |
| <b>Purity</b>           | > 95%                                                                                                                                                                     |
| <b>Characteristic</b>   | The isoelectric point is 6.7.                                                                                                                                             |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                   |
| <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.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage buffer**

Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4

## GENE INFORMATION

**Gene Name**

Igf1 insulin-like growth factor 1 [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Igf1

**Synonyms**

Igf1; insulin-like growth factor 1; IGF; IGF-I; somatomedin

**Gene ID**

24482

**mRNA Refseq**

NM\_001082477.2

**Protein Refseq**

NP\_001075946.2

**UniProt ID**

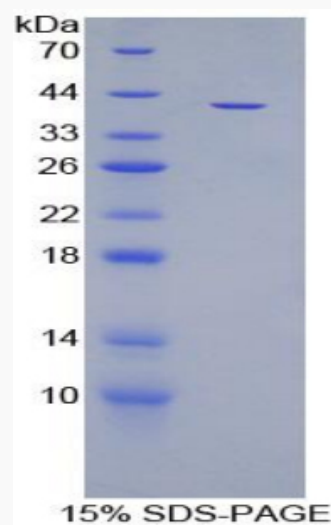
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SDS-PAGE



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