

## Rat Growth Hormone (GH) ELISA Kit | GH elisa kit

Rat Growth Hormone (GH) ELISA Kit

CATALOG #  
**AAA147194**

REACTIVITY  
**Rat**

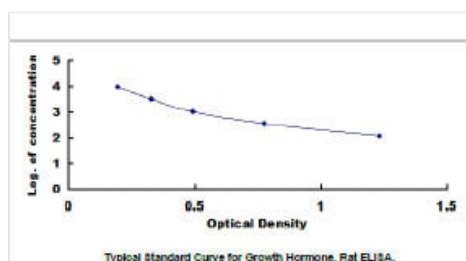
### PRODUCT SYNONYMS

Growth Hormone (GH); Rat Growth Hormone (GH) ELISA Kit; GH1; GH-N; GHN; hGH-N; Somatotropin; Hygetropin; Jintropin; Kigdropin; Pituitary Growth Hormone; Growth Hormone; Normal; GH elisa kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                       | This assay has high sensitivity and excellent specificity for detection of Growth Hormone (GH). No significant cross-reactivity or interference between Growth Hormone (GH) and analogues was observed.                                                                                                                                                                                                                                                                                    |
| Sequence Length                                   | 216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type                                        | Competitive Inhibition                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                                           | Serum, Plasma and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Detection Range                                   | 123.5-10,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sensitivity                                       | 43.4pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application                                       | Enzyme-linked immunosorbent assay for Antigen Detection.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Intra-assay Precision (Precision within an assay) | 3 samples with low, middle and high level Growth Hormone (GH) were tested 20 times on one plate, respectively.                                                                                                                                                                                                                                                                                                                                                                             |
| Inter-assay Precision (Precision between assays)  | 3 samples with low, middle and high level Growth Hormone (GH) were tested on 3 different plates, 8 replicates in each plate.                                                                                                                                                                                                                                                                                                                                                               |
| CV(%) =                                           | SD/meanX100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-Assay                                       | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-Assay                                       | CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                           | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GH elisa kit | This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Growth Hormone (GH) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Growth Hormone (GH) and unlabeled Growth Hormone (GH) (Standards or samples) with the pre-coated antibody specific to Growth Hormone (GH). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Growth Hormone (GH) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Growth Hormone (GH) in the sample. |
| Product Categories/Family for GH elisa kit   | Endocrinology; Neuroscience; Hormone metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                  |
|----------------------------------|------------------|
| NCBI GI #                        | 291463289        |
| NCBI GeneID                      | 24391            |
| NCBI Accession #                 | NP_001030020.2   |
| NCBI GenBank Nucleotide #        | NM_001034848.2   |
| UniProt Accession #              | P01244           |
| Molecular Weight                 | 24,656 Da        |
| NCBI Official Full Name          | somatotropin     |
| NCBI Official Synonym Full Names | growth hormone 1 |
| NCBI Official Symbol             | Gh1              |
| NCBI Official Synonym Symbols    | Gh; Ghb1; RNGHGP |
| NCBI Protein Information         | somatotropin     |
| UniProt Protein Name             | Somatotropin     |
| UniProt Gene Name                | Gh1              |
| UniProt Synonym Gene Names       | Gh               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/growth-hormone-gh/147194>