

## Growth Hormone (rHuGH) Active Protein | GH1 active protein

Recombinant Human Growth Hormone

CATALOG #  
**AAA47952**

HOST  
**E Coli**

### PRODUCT SYNONYMS

Growth Hormone (rHuGH); Recombinant Human Growth Hormone; Recombinant Human Growth Hormone (rHuGH); GH1 active protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                   |
| Specificity             | Recombinant Human Growth Hormone (rHuGH)                                                                                                                                                                                                                                                                 |
| Purity/Purification     | Greater than 98% by RP-HPLC, anion-exchange chromatography; reducing and non-reducing SDS-PAGE, silver stain.<br>Purification: Chromatographic                                                                                                                                                           |
| Form/Format             | Sterile filtered, lyophilized.                                                                                                                                                                                                                                                                           |
| Dimers/Aggregates       | <1% by SDSPAGE                                                                                                                                                                                                                                                                                           |
| Biological Activity     | Fully biologically active compared to the WHO reference standard at 3 Units/mg.                                                                                                                                                                                                                          |
| Endotoxin Level         | <0.1 ng/ug                                                                                                                                                                                                                                                                                               |
| Protein Content         | Determined spectrophotometrically at 280nm (0.72 ext. coeff), and by RP-HPLC analysis against a calibrated standard.                                                                                                                                                                                     |
| Solubility              | Reconstitute the lyophilized product in sterile water not less than 100 ug/ml.                                                                                                                                                                                                                           |
| Stabilizer              | None                                                                                                                                                                                                                                                                                                     |
| Preservatives           | None                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage | Lyophilized product is stable at room temperature for 3 weeks. Store lyophilized product desiccated at -20 degree C. Upon reconstitution, store at 4 degree C for 2-7 days or aliquot and store at -20 degree C. For long-term storage add either HSA or BSA to 0.1%. Avoid repeated freeze-thaw cycles. |

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                    |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GH1 active protein | Recombinant Human Growth Hormone produced in E. coli is a single, nonglycosylated polypeptide chain containing 192 amino acids with a molecular mass of 22,260 daltons. This product has full biological activity. |
| Product Categories/Family for GH1 active protein   | <a href="#">Recombinant Proteins</a>                                                                                                                                                                               |

### NCBI AND UNIPROT INFORMATION

|                         |                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #               | <a href="#">183157</a>                                                                                                                                                                                                         |
| NCBI GeneID             | <a href="#">2688</a>                                                                                                                                                                                                           |
| UniProt Accession #     | <a href="#">P01241</a> ; <a href="#">Q14405</a> ; <a href="#">Q16631</a> ; <a href="#">Q5EB53</a> ; <a href="#">Q9HBZ1</a> ; <a href="#">Q9UMJ7</a> ; <a href="#">Q9UNL5</a> ; <a href="#">Q6IYF0</a> ; <a href="#">Q6IYF1</a> |
| Molecular Weight        | 24,847 Da                                                                                                                                                                                                                      |
| NCBI Official Full Name | growth hormone                                                                                                                                                                                                                 |

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI Official Synonym Full Names | growth hormone 1                       |
| NCBI Official Symbol             | GH1                                    |
| NCBI Official Synonym Symbols    | GH; GHN; GH-N; hGH-N; IGHD1B           |
| NCBI Protein Information         | somatotropin; pituitary growth hormone |
| UniProt Protein Name             | Somatotropin                           |
| UniProt Gene Name                | <b>GH1</b>                             |
| UniProt Entry Name               | SOMA_HUMAN                             |

**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://stage.aaabiotech.com/e-coli-active-protein/growth-hormone-rhugh/47952>