

# Zebrafish Growth Hormone Mutant Recombinant Protein



RPPB0344

---

## Product Information    Protein Information

**Product SKU:**

RPPB0344

**Host:**

Escherichia Coli.

**Protein description:**

Somatotropin Zebrafish Mutant G113R Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 185 amino acids with an additional Ala at the N-terminus and having a molecular mass of 21.18 kDa. The Zebrafish Mutant G113R Recombinant is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

GH1, GH, GHN, GH-N, hGH-N, Pituitary growth hormone, Growth hormone 1, Somatotropin.

**Formulation:**

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.5% NaHCO<sub>3</sub> pH-8.

**Purity:**

Greater than 99.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Zebrafish Mutant G113R in 0.4% NaHCO<sub>3</sub> or water adjusted to pH-9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions, preferably in a presence of a carrier protein such as BSA or similar.

**Stability:**

Lyophilized Growth-Hormone although stable at room temperature for at least two weeks, should be stored desiccated below -18°C. Upon reconstitution and filter sterilization GH can be stored at 4°C, pH 9 for up to 4 weeks. For long term storage and more diluted solutions it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

The sequence of the first six N-terminal amino acids was determined and was found to be Ala-Gln-Arg-Leu-Phe-Asn.