

Zebrafish Growth Hormone Active Protein | zGH active protein

Recombinant Zebrafish Growth Hormone

CATALOG #
AAA38832

HOST
E Coli

PRODUCT SYNONYMS

Zebrafish Growth Hormone; Recombinant Zebrafish Growth Hormone; GH Zebrafish; Growth Hormone Zebrafish Recombinant; GH1; GH; GHN; GH-N; hGH-N; Pituitary growth hormone; Growth hormone 1; Somatotropin; zGH active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 99.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.5% NaHCO ₃ pH-8. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs tsixN-term inalaminoa cidswasdet erminedand wasfoundto beAla-Gln- Arg-Leu-Ph e-Asn
Solubility	It is recommended to reconstitute the lyophilized Zebrafish Growth-Hormone in 0.4% NaHCO ₃ or water adjusted to pH-9, not less than 100 ug/ml, which can then be further diluted to other aqueous solutions, preferably in a presence of a carrier protein such as BSA or similar.
Biological Activity	Zebrafish Growth-Hormone is biologically active in PDF-P1 3B9 cells stably transfected with rabbit GH receptors.
Preparation and Storage	Lyophilized Zebrafish Growth-Hormone although stable at room temperature for at least two weeks, should be stored desiccated below -18 degree C. Upon reconstitution and filter sterilization GH can be stored at 4 degree 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.

ADDITIONAL INFORMATION

Related Product Information for zGH active protein	Description: Somatotropin Zebrafish 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 Recombinant is purified by proprietary chromatographic techniques. Introduction: GH is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature.
Product Categories/Family for zGH active protein	Cytokines and Growth Factors; Growth Factors; Growth Hormone

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/e-coli-zgh-active-protein/zebrafish-growth-hormone/38832>