

Growth Hormone Gilthead Seabream Recombinant

Item Number	rAP-2281
Synonyms	GH1, GH, GHN, GH-N, hGH-N, Pituitary growth hormone, Growth hormone 1, Somatotropin.
Description	Somatotropin Gilthead Seabream Recombinant Sparus Aurata produced in E.Coli is a single, non-glycosylated polypeptide chain containing 188 amino acids with an additional Ala at the N-terminus and having a molecular mass of 21.4 kDa. The Gilthead Seabream Growth-Hormone Recombinant is purified
Uniprot Accession Number	P29971
Amino Acid Sequence	The sequence of the first ten N-terminal amino acids of recombinant Gilthead Seabream growth hormone was determined and was found to be Ala-Gln-Pro-Ile-Thr-Asp-Gly-Gln-Arg-Leu.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Growth-Hormone Gilthead Seabream 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 pre-
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.02% NaHCO ₃ . Greater than 98.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Growth-Hormone Gilthead Seabream in 0.4% NaHCO ₃ or water adjusted to pH 8-9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions, preferably in a presence of a carrier prot
Biological Activity	Binding assays of the 125I-labeled gilthead seabream GH to dolphin fish liver microsomal fraction resulted in high specific binding characterized by a K _a of 1.93 nM and a B _{max} of 540 fmol/mg microsomal fraction protein. Recombinant gilthead seabream Growt
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**