

## Recombinant Bream GH Protein

Cat. No. GH-780B Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Bream Growth Hormone Binding Protein (P29971) was expressed in E. coli.
<b>Species</b>	Bream
<b>Source</b>	E.coli
<b>Description</b>	<p>The Growth Hormone (GH) is a polypeptide that is secreted by the adenohypophysis. Growth hormone, also known as somatotropin, stimulates mitosis, cell differentiation and cell growth. Species-specific growth hormones have been synthesized. GH augments the cytolytic activity of T-cells, antibody synthesis, and granulocyte differentiation induced by GM-CSF. GH also enhances production of TNF-alpha, generation of superoxide anions from peritoneal macrophages, and natural killer activity. Recombinant bream GH produced in E. coli is a single, non-glycosylated, polypeptide chain containing having a molecular mass of 21.41 kDa. Bream GH shares 97% amino acid sequence identity with gilthead sea bream, 94% with red sea bream, 93% with the tuna, 91% with barramundi and 63% with the salmon. The GH is purified by proprietary chromatographic techniques.</p>
<b>Molecular Mass</b>	21 kDa
<b>Endotoxin</b>	Less than 0.1 ng/μg (IEU/μg) of GH.
<b>Purity</b>	> 95 % (SDS-PAGE, RP-HPLC)

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**Storage** Store at -20 centigrade, avoid freeze/thaw cycles.

## GENE INFORMATION


**Official Symbol** GH

**Synonyms** GH; Growth Hormone Binding Protein

**UniProt ID** P18075

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