

Recombinant Bream GH Protein

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

SPECIFICATION

Product Overview	Recombinant Bream Growth Hormone Binding Protein (P29971) was expressed in E. coli.
Species	Bream
Source	E.coli
Description	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.
Molecular Mass	21 kDa
Endotoxin	Less than 0.1 ng/μg (IEU/μg) of GH.
Purity	> 95 % (SDS-PAGE, RP-HPLC)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

Official Symbol	GH
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Synonyms	GH; Growth Hormone Binding Protein
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UniProt ID	P18075
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