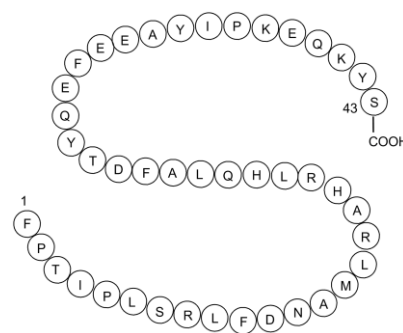


Product Data Sheet

Chemical Properties

Product Name:	Growth Hormone (1-43), human
Cas No.:	
M.Wt:	5216.2
Formula:	C240H358N62O67S1
Synonyms:	H2N-Phe-Pro-Thr-Ile-Pro-Leu-Ser-Arg-Leu-Phe-Asp-Asn-Ala-Met-Leu-Arg-Ala-His-Arg-Leu-His-Gln-Leu-Ala-Phe-Asp-Thr-Tyr-Gln-Glu-Phe-Glu-Glu-Ala-Tyr-Ile-Pro-Lys-Glu-Gln-Lys-Tyr-Ser-OH



Chemical Name:

Canonical SMILES:

Solubility:

Storage: Store at -20°C

General tips: For obtaining a higher solubility, please warm the tube at 37° C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20° C for several months.

Shopping Condition: Evaluation sample solution : ship with blue ice
All other available size: ship with RT, or blue ice upon request

Biological Activity

Targets : Endocrinology and Hormones

Pathways:

Description:

Reference:

Protocol

Cell experiment:

Cell lines	FDC-P1 cells
Preparation method	The solubility of this peptide in sterile water is >10 mM. Stock solution should be split and stored at -80°C for several months.
Reacting conditions	IC50: 2 µM
Applications	The in vitro bioactivity of the hGH fragment was tested by its activity against GH-responsive FDC-P1 cell lines expressing full-length human (h), mouse (m), or rabbit (r) GH receptors (GHR). Recombinant hGH 1-43 stimulated proliferation of FDC-P1-hGHR cells with half-maximal effect at approximately 2000 nM. It had minimal effect on cells expressing mGHR or rGHR.

Reference:

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most ApexBio products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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