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# Human pituitary growth hormone: XIX. The primary structure of the hormone $\hat{a}^{\sim} \dagger$

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### Abstract

The isolation and partial characterization of human pituitary growth hormone (HGH) were first reported from this laboratory in 1956 (1). In the ensuing years a number of reports (2) have described improved methods of isolation and further characterization of the hormone as a single polypeptide chain molecule containing a single tryptophan residue, four half-cystine residues, and having a molecular weight of 21,500. Additional information about the sequence of amino acid residues comprising the NH<sub>2</sub>-terminus (3) and the COOH-terminus (4) of the protein has been published. Herein is the completed account of the total amino acid sequence in HGH. A preliminary report on this work has been published (5).



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