

Human Pituitary Growth Hormone

02/21

CATALOG NO:	P1710-100 100 µg
ALTERNATE NAMES:	GH; GHN; GH-N; GHB5; IGHD2; hGH-N; IGHD1A; IGHD1B; somatotropin; Growth hormone 1; pituitary growth hormone; hGH
MOL. WT.	22 kDa
NCBI GENE ID:	2688
ACCESSION NO.:	P01241
PURITY:	≥ 95% by SDS-PAGE
CONTAMINANTS:	PRL < 0.0004 mg/mg protein; TSH < 0.0002 IU/mg protein; PSH < 0.0005 IU/mg protein; LH < 1.9 IU/mg protein
SOURCE:	Human pituitary gland
AMINO ACID SEQUENCE:	Full length native protein
FORM:	Lyophilized powder
FORMULATION:	Lyophilized from 50 mM ammonium bicarbonate
RECONSTITUTION:	Reconstitute using neutral pH buffer of choice. Avoid extreme high and low pH.
SPECIFIC ACTIVITY:	Activity verified by radioimmunoassay.
STORAGE CONDITIONS:	Store at -20 °C. Avoid repeated freeze-thaw cycles.
DESCRIPTION:	Human growth hormone (hGH) is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. This hormone is expressed in the pituitary gland. Among the various functions of hGH is to stimulate the liver and other tissues to secrete IGF-1, stimulate the differentiation and proliferation of myoblasts, and stimulate amino acid uptake and protein synthesis in muscle and other tissues. Deficiency in hGH leads to short stature and diseases including Kowarski Syndrome.
INFECTIOUS DISEASE TESTING:	Human donor material was tested and found to be negative for HIV-1 and HIV-2, HBsAg, HCV, syphilis, and HIV-1 antigen by current FDA approved methods.

RELATED PRODUCTS:

Human Thyroid Stimulating Hormone (TSH) (Cat. No. P1031)
 Human CellExp™ HGH, Human Recombinant (Cat. No. 6457)
 Growth Hormone (Human) ELISA Kit (Cat. No. K7412)
 Growth Hormone, Human Recombinant (Cat. No. 4769)
 GH (Growth Hormone) Antibody (Cat. No. 5769)

FOR RESEARCH USE ONLY! Not to be used on humans.