

Human Chorionic Gonadotropin, α Subunit

02/21

CATALOG NO:	P1713-100 100 μ g
ALTERNATE NAMES:	Glycoprotein hormones, alpha polypeptide; anterior pituitary glycoprotein hormones common subunit alpha; GPHA1; GPHA; GPA1; CG-Alpha; CGA
MOL. WT.	13 kDa
NCBI GENE ID:	1081
ACCESSION NO.:	P01215
PURITY:	\geq 95% by SDS-PAGE
SOURCE:	Human urine
AMINO ACID SEQUENCE:	Full length native protein (alpha subunit only)
FORM:	Lyophilized powder
FORMULATION:	Lyophilized from 50 mM ammonium bicarbonate
RECONSTITUTION:	Reconstitute using neutral pH buffer of choice. Avoid extreme high and low pH. Only use with filters smaller than 5 kDa.
STORAGE CONDITIONS:	Store at -20 °C. Avoid repeated freeze-thaw cycles.
DESCRIPTION:	The four human glycoprotein hormones (chorionic gonadotropin, luteinizing hormone, follicle stimulating hormone, and thyroid stimulating hormone) are dimers consisting of alpha and beta subunits. The alpha subunits of these hormones are identical, while they each have unique beta subunits that allow the hormones to bind specific receptors on target cells to activate distinct downstream signaling pathways. This product represents the isolated alpha subunit from human chorionic gonadotropin purified from pregnant female urine.
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:

Chorionic Gonadotropin (hCG) (human) ELISA Kit (Cat. No. K7424)
Chorionic Gonadotropin (CG) Antibody (Cat. No. 5778)
Chorionic Gonadotropin (CG), human (Cat. No. 4778)
Human Thyroid Stimulating Hormone (TSH) (Cat. No. P1031)
Placental Lactogen, Human Recombinant (Cat. No. 4869)

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