

Native Human, Glycoprotein Hormones, Alpha Polypeptide

Cat. No. CGA-1855H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human CGA was expressed in Human pregnancy urine.
Species	Human
Source	Human Pregnancy Urine
Description	Human CGA (hCG) is a peptide hormone produced in pregnancy, that is made by the embryo soon after conception and later by the trophoblast (part of the placenta). Human CGA (hCG) role is to prevent the disintegration of the corpus luteum of the ovary and thereby maintain progesterone production that is critical for a pregnancy in humans.
Form	Lyophilized
Molecular Weight	36.7 kDa
Specific Activity	Typically >10000 IU/mg
Purity	>98% by SDS Page
Storage	Stable for one year when stored at 2-4°C.
Pathways	Amine-derived hormones; Androgen biosynthesis; Autoimmune thyroid disease; G alpha (s) signalling events; GPCR downstream signaling; GPCR ligand binding; Glycoprotein hormones; GnRH signaling pathway; Metabolism; Metabolism of amino

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acids and derivatives; Mineralocorticoid biosynthesis; Mineralocorticoid biosynthesis;
 Neuroactive ligand-receptor interaction; Peptide hormone biosynthesis;
 Signal Transduction

GENE INFORMATION

Gene Name [CGA glycoprotein hormones, alpha polypeptide \[Homo sapiens \]](#)

Official Symbol [CGA](#)

Synonyms

CGA; glycoprotein hormones, alpha polypeptide; HCG; LHA;FSHA; GPHa; TSHA;
 GPHA1; CG-ALPHA; glycoprotein hormones alpha chain;FSH-alpha; LSH-alpha;
 TSH-alpha; OTTHUMP00000016825; lutropin alpha chain;follitropin alpha chain;
 thyrotropin alpha chain; choriogonadotropin alphachain; luteinizing hormone alpha
 chain; chorionic gonadotrophin subunit alpha;thyroid-stimulating hormone alpha
 chain; follicle-stimulating hormone alphachain; chorionic gonadotropin, alpha
 polypeptide; follicle-stimulating hormone alpha subunit; anterior pituitary glycoprotein
 hormones common subunit alpha

Gene ID [1081](#)

mRNA Refseq [NM_000735](#)

Protein Refseq [NP_000726](#)

MIM [118850](#)

UniProt ID [P01215](#)

**Chromosome
 Location** 6q12-q21

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Function

hormone activity; proteinbinding

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