

Bioactive

CGA (Human) Native Protein

Catalog # P8140 Size 5 mg

Specification

Product Description	Human CGA native protein from urine of pregnant women.
Theoretical MW (kDa)	3.67
Form	Lyophilized
Preparation Method	From urine of pregnant women
Purification	Chromatography
Activity	The activity is 5197 IU/mg.
Storage Buffer	The hCG was lyophilized with no additives.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.
Note	Free of: HbsAg and antibodies to HIV and HCV.

Applications

- Functional Study

Gene Info — CGA

Entrez GeneID	1081
Gene Name	CGA
Gene Alias	CG-ALPHA, FSHA, GPHA1, GPHa, HCG, LHA, TSHA

Gene Description	glycoprotein hormones, alpha polypeptide
Omim ID	118850
Gene Ontology	Hyperlink
Gene Summary	The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of an alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. The protein encoded by this gene is the alpha subunit and belongs to the glycoprotein hormones alpha chain family. [provided by RefSeq]
Other Designations	OTTHUMP00000016825 chorionic gonadotropin, alpha polypeptide follicle-stimulating hormone alpha subunit

Pathway

- [Autoimmune thyroid disease](#)
- [GnRH signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)

- [Pulmonary Disease](#)
- [Social Perception](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)