

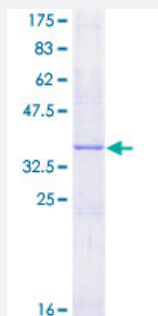
Full-Length

CGA (Human) Recombinant Protein (P01)

Catalog # H00001081-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CGA full-length ORF (AAH10957, 1 a.a. - 116 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDYYRKYAAIFLVTLVFLHVLHSAPDVQDCPECTLQENPLFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNVTSESTCCVAKSYNRVTVMGGFKVENHTACHCSTCYHKS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.50
Interspecies Antigen Sequence	Mouse (73); Rat (71)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CGA

Entrez GeneID [1081](#)

GeneBank Accession# [BC010957](#)

Protein Accession# [AAH10957](#)

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](#)