

RP01662

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# Recombinant Human Chorionic Gonadotropin/CGA Protein

Catalog No.: RP01662 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	1081	P01215

### Tags

C-6His

### Synonyms

HCG; LHA; FSHA; GPA1; GPHa; TSHA; GPHA1; CG-ALPHA;CGA

## Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

Chorionic gonadotrophin subunit alpha (CGA), a member of the glycoprotein hormones subunit alpha family, is also known as glycoprotein hormones alpha chain, choriogonadotropin alpha chain, follicle-stimulating hormone alpha chain (FSH-alpha), luteinizing hormone alpha chain (LSH-alpha) and thyroid-stimulating hormone alpha chain (TSH-alpha). The hormones human chorionic gonadotropin (hCG), luteinizing hormone (LH), follicle-stimulating hormone (FSH), and thyroid-stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits (CGA) of these four human glycoprotein hormones are nearly identical, however, their beta chains are unique and confer biological specificity.

## Basic Information

### Description

Recombinant Human Chorionic Gonadotropin/CGA Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala 25-Ser116) of human Chorionic Gonadotropin/CGA (Accession #NP\_000726.1) fused with and a 6×His tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

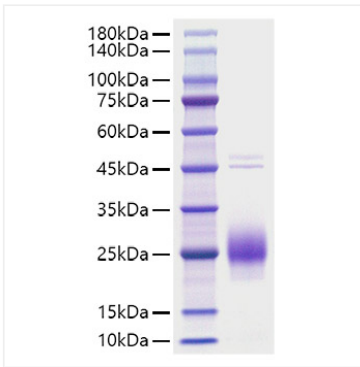
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

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## Validation Data

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Recombinant Human Chorionic Gonadotropin/CGA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.