

Datasheet for ABIN5608461  
**CGA Protein (partial) (His tag)**



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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg                                     |
| Target:                       | CGA  |
| Protein Characteristics:      | partial                                    |
| Origin:                       | Human                                      |
| Source:                       | HEK-293 Cells                              |
| Protein Type:                 | Recombinant                                |
| Purification tag / Conjugate: | This CGA protein is labelled with His tag. |
| Application:                  | Western Blotting (WB)                      |

## Product Details

|                  |   |
|------------------|---|
| Sequence:        | Ala 25 - Ser 116  |
| Purity:          | >92 % as determined by SDS-PAGE.                              |
| Endotoxin Level: | Endotoxin level is less than 1.0 EU per ug by the LAL method. |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | CGA  |
| Alternative Name: | CG alpha ( <a href="#">CGA Products</a> )  |
| 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 |

## Target Details

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.

|                   |   |
|-------------------|---|
| Molecular Weight: | 12.1 kDa  |
| Gene ID:          | 1081  |
| UniProt:          | <a href="#">P01215</a>  |
| Pathways:         | <a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Thyroid Hormone Synthesis</a> , <a href="#">Hormone Transport</a> , <a href="#">Peptide Hormone Metabolism</a> |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | This recombinant protein can be used for WB. |
| Restrictions:      | For Research Use only                        |

## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Buffer:          | PBS, pH 7.4   |
| Handling Advice: | Avoid repeated freeze-thaw cycles.  |
| Storage:         | -20 °C,-80 °C   |
| Storage Comment: | Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. |