

## Recombinant Dog CGA protein, His-tagged

Cat. No. CGA-1436D    Lot. No. (See product label)

### SPECIFICATION

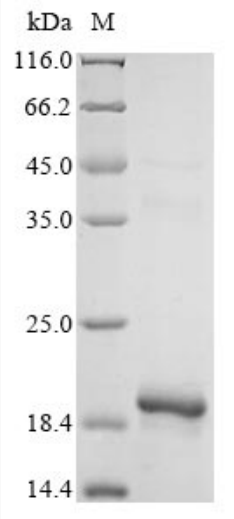
|                         |                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Dog CGA protein(Q9XSW8)(25-120aa), fused to C-terminal His tag, was expressed in Yeast.                                                                                                                                |
| <b>Species</b>          | Dog                                                                                                                                                                                                                                |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 25-120aa                                                                                                                                                                                                                           |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 12.7 kDa                                                                                                                                                                                                                           |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                     |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                      |

### GENE INFORMATION

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|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CGA glycoprotein hormones, alpha polypeptide [ <i>Canis lupus familiaris</i> ]                                                                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | CGA                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>        | CGA; glycoprotein hormones, alpha polypeptide; glycoprotein hormones alpha chain; FSH-alpha; LSH-alpha; TSH alpha; TSH-alpha; lutropin alpha chain; follitropin alpha chain; thyrotropin alpha chain; thyrotropin alpha subunit; luteinizing hormone alpha chain; thyroid-stimulating hormone alpha chain; follicle-stimulating hormone alpha chain; anterior pituitary glycoprotein hormones common subunit alpha; |
| <b>Gene ID</b>         | 403483                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_001002988                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_001002988                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>SDS-PAGE</b>        |  <p>The SDS-PAGE gel image displays molecular weight markers on the left in kDa: 116.0, 66.2, 45.0, 35.0, 25.0, 18.4, and 14.4. A single prominent protein band is visible at approximately 18.4 kDa, corresponding to the CGA protein.</p>                                                                                     |