

# Native Human Chorionic Gonadotropin

**Cat. No.** CGA-8163H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Human Chorionic Gonadotropin was purified from Human pregnancy urine.                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Human Pregnancy Urine                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Human chorionic gonadotropin (hCG) is a peptide hormone produced in pregnancy, that is made by the embryo soon after conception and later by the trophoblast (part of the placenta). Human chorionic gonadotropin (hCG) role is to prevent the disintegration of the corpus luteum of the ovary and thereby maintain progesterone production that is critical for a pregnancy in humans. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | >98% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability</b>        | 1 year                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | 2-8 °C                                                                                                                                                                                                                                                                                                                                                                                   |

## GENE INFORMATION

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| <b>Gene Name</b>       | CGA glycoprotein hormones, alpha polypeptide [ Homo sapiens ] |
| <b>Official Symbol</b> | CGA                                                           |

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| <b>Synonyms</b>            | CGA; glycoprotein hormones, alpha polypeptide; glycoprotein hormones alpha chain; chorionic gonadotropin; alpha polypeptide; follicle stimulating hormone alpha subunit; FSHA; GPHA; GPHA1; HCG; LHA; luteinizing hormone alpha chain; lutropin alpha chain; th                                                                                                                                           |
| <b>Gene ID</b>             | <a href="#">1081</a>                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>         | <a href="#">NM_000735</a>                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | <a href="#">NP_000726</a>                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>                 | <a href="#">118850</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | <a href="#">P01215</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 6q14-q21                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | Amine-derived hormones, organism-specific biosystem; Androgen biosynthesis, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; |
| <b>Function</b>            | hormone activity; protein binding;                                                                                                                                                                                                                                                                                                                                                                        |