



# Dog growth hormone,GH ELISA Kit

|                             |                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>         | CSB-E14962c                                                                                              |
| <b>Abbreviation</b>         | GH1                                                                                                      |
| <b>Target Name</b>          | growth hormone 1                                                                                         |
| <b>Uniprot No.</b>          | P33711                                                                                                   |
| <b>Alias</b>                | GH, GH-N, GHN, IGHD1B, hGH-N, pituitary growth hormone                                                   |
| <b>Product Type</b>         | ELISA Kit                                                                                                |
| <b>Immunogen Species</b>    | Canis lupus familiaris (Dog) (Canis familiaris)                                                          |
| <b>Sample Types</b>         | serum, plasma, tissue homogenates                                                                        |
| <b>Detection Range</b>      | 0.625 ng/mL-40 ng/mL                                                                                     |
| <b>Sensitivity</b>          | 0.156 ng/mL                                                                                              |
| <b>Assay Time</b>           | 1-5h                                                                                                     |
| <b>Sample Volume</b>        | 50-100ul                                                                                                 |
| <b>Detection Wavelength</b> | 450 nm                                                                                                   |
| <b>Lead Time</b>            | 3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx. |
| <b>Research Area</b>        | Signal Transduction                                                                                      |
| <b>Gene Names</b>           | GH1                                                                                                      |
| <b>Tag Info</b>             | quantitative                                                                                             |
| <b>Protein Description</b>  | Sandwich                                                                                                 |

**Description**

This Dog GH1 ELISA Kit was designed for the quantitative measurement of Dog GH1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.

**Target Details**

This protein is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature.

**Msds**

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