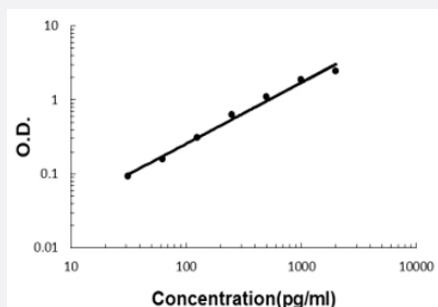


# PTH1R (Human) ELISA Kit

Catalog # KA5966      Size 1 Kit

## Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

|                                |                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | PTH1R (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detection of human PTH1R in cell culture supernates, serum and plasma (heparin, EDTA, citrate).          |
| <b>Suitable Sample</b>         | Cell culture supernates, serum and plasma (heparin, EDTA, citrate)                                                                                                                                |
| <b>Sample Volume</b>           | 100 $\mu$ L                                                                                                                                                                                       |
| <b>Label</b>                   | HRP-conjugated                                                                                                                                                                                    |
| <b>Detection Method</b>        | Colorimetric                                                                                                                                                                                      |
| <b>Assay Type</b>              | Quantitative                                                                                                                                                                                      |
| <b>Calibration Range</b>       | 31.2 to 2000 pg/mL                                                                                                                                                                                |
| <b>Reactivity</b>              | Human                                                                                                                                                                                             |
| <b>Regulatory Status</b>       | For research use only (RUO)                                                                                                                                                                       |
| <b>Quality Control Testing</b> | Standard curve<br>The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed. |
| <b>Storage Instruction</b>     | Store at 4°C for six months. For long term storage store at -20°C.<br>Avoid repeated freezing and thawing.                                                                                        |

## Applications

- Quantification

## Gene Info — PTH1R

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">5745</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protein Accession# | <a href="#">Q03431</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Name          | PTH1R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Alias         | MGC138426, MGC138452, PTHR, PTHR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Description   | parathyroid hormone 1 receptor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Omim ID            | <a href="#">156400</a> <a href="#">166000</a> <a href="#">168468</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Summary       | The protein encoded by this gene is a member of the G-protein coupled receptor family 2. This protein is a receptor for parathyroid hormone (PTH) and for parathyroid hormone-like hormone (PTHrP). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. Defects in this receptor are known to be the cause of Jansen's metaphyseal chondrodysplasia (JMC), chondrodysplasia Blomstrand type (BOCD), as well as enchondromatosis. [provided by RefSeq] |
| Other Designations | PTH/PTHrP receptor PTH/PTHrP type I receptor parathyroid hormone receptor 1 parathyroid hormone/parathyroid hormone-related peptide receptor parathyroid hormone/parathyroid hormone-related protein receptor seven transmembrane helix receptor                                                                                                                                                                                                                                                                                                           |

## Pathway

- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Alzheimer disease](#)
- [Bone Resorption](#)
- [Cardiovascular Diseases](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteonecrosis](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)