

## Rat G Protein Coupled Receptor ELISA Kit | GPCR elisa kit

Rat G Protein Coupled Receptor ELISA Kit

CATALOG #  
AAA84094

REACTIVITY  
Rat

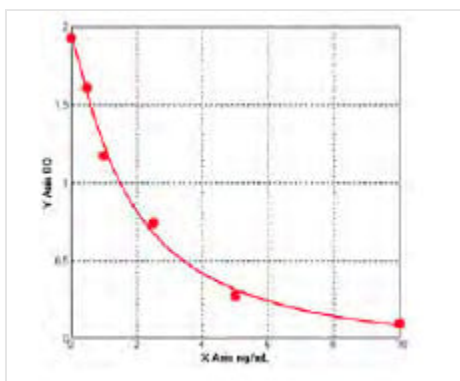
### PRODUCT SYNONYMS

G Protein Coupled Receptor; Rat G Protein Coupled Receptor ELISA Kit; GPCR elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive or Sandwich                                       |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for GPCR elisa kit

**Intended Uses:** This GPR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GPR. This ELISA kit for research use only!

**Principle of the Assay:** GPR ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for GPR. Standards or samples are then added to the microtiter plate wells and GPR if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GPR present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for GPR are added to each well to "sandwich" the GPR immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain GPR and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPR concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                               |                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------|
| NCBI GI #                     | 145336679                                                                                  |
| NCBI GeneID                   | 841725                                                                                     |
| NCBI Accession #              | NP_175700.2                                                                                |
| NCBI GenBank Nucleotide #     | NM_104170.2                                                                                |
| Molecular Weight              | 46,451 Da                                                                                  |
| NCBI Official Full Name       | G-protein coupled receptor 2                                                               |
| NCBI Official Symbol          | GPCR                                                                                       |
| NCBI Official Synonym Symbols | F14G24.19; F14G24_19; G protein coupled receptor; G-PROTEIN COUPLED RECEPTOR 2; GCR2; GPCR |
| NCBI Protein Information      | G-protein coupled receptor 2                                                               |
| UniProt Protein Name          | LanC-like protein GCR2                                                                     |
| UniProt Gene Name             | <b>GCR2</b>                                                                                |
| UniProt Synonym Gene Names    | GPCR; At1g52920; F14G24.19                                                                 |
| UniProt Entry Name            | GCR2_ARATH                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gpcr-rat-elisa-kits/g-protein-coupled-receptor/84094>