

## Rat GDNF (Glial Cell Line Derived Neurotrophic Factor) CLIA Kit | GDNF clia kit

Rat GDNF (Glial Cell Line Derived Neurotrophic Factor) CLIA Kit

CATALOG #  
**AAA170847**

REACTIVITY  
**Rat**

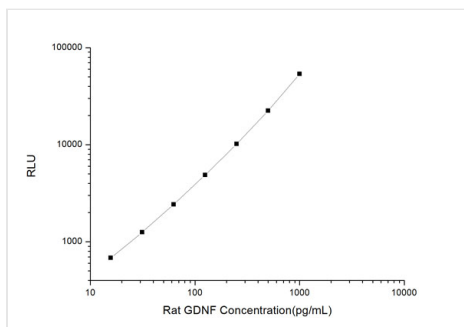
### PRODUCT SYNONYMS

GDNF (Glial Cell Line Derived Neurotrophic Factor); Rat GDNF (Glial Cell Line Derived Neurotrophic Factor) CLIA Kit; ATF; ATF1; ATF2; HFB1-GDNF; HSCR3; GDNF clia kit

### PRODUCT SPECIFICATIONS

|                 |                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity      | Rat                                                                                                                                        |
| Specificity     | This kit recognizes natural and recombinant GDNF. No significant cross-reactivity or interference between GDNF and analogues was observed. |
| Sequence Length | 202                                                                                                                                        |
| Assay Type      | Sandwich                                                                                                                                   |
| Detection Range | 15.625-1000pg/mL                                                                                                                           |
| Sensitivity     | Min: 9.375pg/mL; Max: 1000pg/mL                                                                                                            |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for GDNF clia kit

**Intended Uses:** This CLIA kit applies to the in vitro quantitative determination of GDNF concentrations in serum, plasma and other biological fluids.

**Principle of the Assay:** This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to GDNF. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for GDNF and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain GDNF, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of GDNF. You can calculate the concentration of GDNF in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| NCBI GI #                        | 299473781                                                           |
| NCBI GeneID                      | 2668                                                                |
| NCBI Accession #                 | NP_001177398.1                                                      |
| NCBI GenBank Nucleotide #        | NM_001190469.1                                                      |
| Molecular Weight                 | 18,123 Da                                                           |
| NCBI Official Full Name          | glial cell line-derived neurotrophic factor isoform 4 preproprotein |
| NCBI Official Synonym Full Names | glial cell derived neurotrophic factor                              |
| NCBI Official Symbol             | GDNF                                                                |
| NCBI Official Synonym Symbols    | ATF1; ATF2; HSCR3; HFB1-GDNF                                        |
| NCBI Protein Information         | glial cell line-derived neurotrophic factor                         |
| UniProt Protein Name             | Glial cell line-derived neurotrophic factor                         |
| UniProt Gene Name                | <b>GDNF</b>                                                         |
| UniProt Synonym Gene Names       | hGDNF; ATF                                                          |
| UniProt Entry Name               | GDNF_HUMAN                                                          |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/rat-clia-kits/gdnf-glia-cell-line-derived-neurotrophic-factor/170847>