

## Human GUSB ELISA Kit | GUSB elisa kit

Human GUSB ELISA Kit PicoKine

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA127966</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

### PRODUCT SYNONYMS

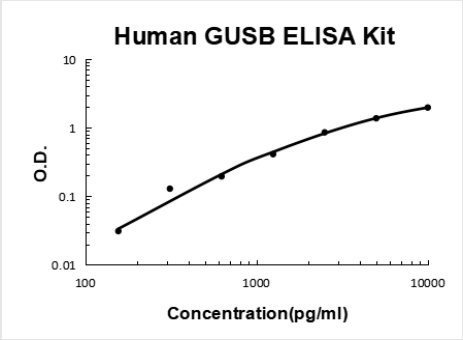
GUSB; Human GUSB ELISA Kit PicoKine; GUSB elisa kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Human                                                                                                                                                                                                                                                                                                                                                                                            |
| Samples                                           | cell culture supernatants, serum and plasma (heparin, EDTA)                                                                                                                                                                                                                                                                                                                                      |
| Assay Range                                       | 156pg/ml-10,000pg/ml                                                                                                                                                                                                                                                                                                                                                                             |
| Sensitivity                                       | <20pg/ml                                                                                                                                                                                                                                                                                                                                                                                         |
| Capture antibody and Detection antibody           | a monoclonal antibody from mouse a biotinylated polyclonal antibody from goat                                                                                                                                                                                                                                                                                                                    |
| Immunogen                                         | Expression system for standard: NS0; Immunogen sequence: M1-T651                                                                                                                                                                                                                                                                                                                                 |
| Cross Reactivity                                  | There is no detectable cross-reactivity with other relevant proteins.                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for GUSB elisa kit        | ELISA                                                                                                                                                                                                                                                                                                                                                                                            |
| Kit Components                                    | Description/Quantity<br>Pre-coated 96-well strip microplate/1<br>Standard/2 vials, 10 ng/tube<br>Biotinylated antibody (100x)/100ul<br>Avidin-Biotin-Peroxidase Complex (100x)/100ul<br>Sample Diluent/30ml<br>Antibody Diluent/12ml<br>Avidin-Biotin-Peroxidase Diluent/12ml<br>Color Developing Reagent (TMB)/10ml<br>Stop Solution/10ml<br>Wash Buffer (25x)/20ml<br>Adhesive plate sealers/4 |
| Materials Required But Not Provided               | Microplate Reader capable of reading absorbance at 450nm.<br>Incubator.<br>Automated plate washer (optional).<br>Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions.<br>Multichannel pipettes are recommended for large amount of samples.<br>Deionized or distilled water.<br>500ml graduated cylinders.<br>Test tubes for dilution.      |
| Sample Data                                       | Concentration(pg/ml)01563126251,2502,5005,00010,000O.D.0.0220.0530.1510.2170.4330.8781.3941.992                                                                                                                                                                                                                                                                                                  |
| Intra Assay Consistency & Inter Assay Consistency | Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean(pg/ml)3621379492638812954782Standard deviation19.9170.33241.3716.6862.16186.5CV(%)5.5%5.1%4.9%4.3%4.8%3.9%                                                                                                                                                                                                               |

|                         |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reproducibility         | LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample<br>136236336737236615.744.3%Sample 21379136813851296135774.645.5%Sample<br>349264593476848524785282.305.9%*number of samples for each test n=16. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)                                                     |

IMAGES



Standard Curve (Sample)  
Human GUSB PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GUSB elisa kit | The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays. |
| Product Categories/Family for GUSB elisa kit   | <a href="#">PicoKine ELISA Kits</a>                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">268834192</a>                                                |
| NCBI GeneID                      | <a href="#">2990</a>                                                     |
| NCBI Accession #                 | <a href="#">NP_000172.2</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000181.3</a>                                              |
| UniProt Accession #              | <a href="#">P08236</a> ; <a href="#">Q549U0</a> ; <a href="#">Q96CL9</a> |
| Molecular Weight                 | 74,732 Da                                                                |
| NCBI Official Full Name          | beta-glucuronidase                                                       |
| NCBI Official Synonym Full Names | glucuronidase, beta                                                      |
| NCBI Official Symbol             | GUSB                                                                     |
| NCBI Official Synonym Symbols    | BG; MPS7                                                                 |
| NCBI Protein Information         | beta-glucuronidase; beta-G1; beta-D-glucuronidase                        |
| UniProt Protein Name             | Beta-glucuronidase                                                       |
| UniProt Gene Name                | <b>GUSB</b>                                                              |
| UniProt Entry Name               | BGLR_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/human-elisa-kits/gusb/127966>