

## Human Prestin ELISA Kit | SLC26A5 elisa kit

Human Prestin (SLC26A5) ELISA Kit

CATALOG #  
**AAA13228**

REACTIVITY  
**Human**

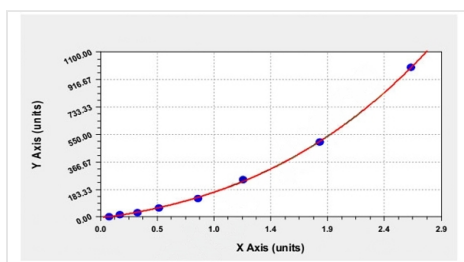
### PRODUCT SYNONYMS

Prestin; Human Prestin (SLC26A5) ELISA Kit; SLC26A5 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human SLC26A5. No significant cross-reactivity or interference between Human SLC26A5 and analogues was observed.          |
| Sequence Length         | 744                                                                                                                                                                                                  |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                            |
| Detection Range         | 15.6 pg/mL - 1000 pg/mL                                                                                                                                                                              |
| Sensitivity             | 7.8 pg/mL (mean of 6 independent assays)                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                     |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                               |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SLC26A5 elisa kit | <p>Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate SLC26A5 in Human serum, plasma. An antibody specific for SLC26A5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC26A5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC26A5 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SLC26A5 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Intended Uses: For the quantitative detection of Human Prestin (SLC26A5) concentration in serum, plasma and other biological fluids.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 269784651                                      |
| NCBI GeneID                      | 375611                                         |
| NCBI Accession #                 | NP_001161434.1                                 |
| NCBI GenBank Nucleotide #        | NM_001167962.1                                 |
| UniProt Accession #              | P58743; Q496J2; Q7Z7F3; Q86UF8; Q86UF9; Q86UG0 |
| Molecular Weight                 | 77,809 Da                                      |
| NCBI Official Full Name          | prestin isoform e                              |
| NCBI Official Synonym Full Names | solute carrier family 26 member 5              |
| NCBI Official Symbol             | SLC26A5                                        |
| NCBI Official Synonym Symbols    | PRES; DFNB61                                   |
| NCBI Protein Information         | prestin                                        |
| UniProt Protein Name             | Prestin                                        |
| UniProt Gene Name                | SLC26A5                                        |
| UniProt Synonym Gene Names       | PRES                                           |

**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.