

## Human COL5alpha2 (Collagen Type V Alpha 2) CLIA Kit | COL5a2 clia kit

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CATALOG #  
**AAA171313**

REACTIVITY  
**Human**

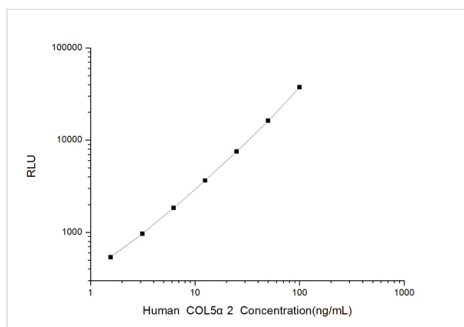
### PRODUCT SYNONYMS

COL5alpha2 (Collagen Type V Alpha 2); Human COL5alpha2 (Collagen Type V Alpha 2) CLIA Kit; Human COL5a2 (Collagen Type V Alpha 2) CLIA Kit; Human COL5a2; COL5a2 clia kit

### PRODUCT SPECIFICATIONS

|                 |                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity      | Human                                                                                                                                                  |
| Specificity     | This kit recognizes natural and recombinant COL5alpha2. No significant cross-reactivity or interference between COL5alpha2 and analogues was observed. |
| Sequence Length | 1497                                                                                                                                                   |
| Assay Type      | Sandwich                                                                                                                                               |
| Detection Range | 1.563-100ng/mL                                                                                                                                         |
| Sensitivity     | Min: 0.938ng/mL; Max: 100ng/mL                                                                                                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for COL5a2 clia kit

**Intended Uses:** This CLIA kit applies to the in vitro quantitative determination of COL5alpha2 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 COL5alpha2. 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 COL5alpha2 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 COL5alpha2, 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 COL5alpha2. You can calculate the concentration of COL5alpha2 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 119631311                                |
| NCBI GeneID                      | 1290                                     |
| Molecular Weight                 | 144,910 Da                               |
| NCBI Official Full Name          | collagen, type V, alpha 2, isoform CRA_a |
| NCBI Official Synonym Full Names | collagen, type V, alpha 2                |
| NCBI Official Symbol             | COL5A2                                   |
| NCBI Official Synonym Symbols    | EDSC                                     |
| NCBI Protein Information         | collagen alpha-2(V) chain                |
| UniProt Protein Name             | Collagen alpha-2(V) chain                |
| UniProt Gene Name                | COL5A2                                   |
| UniProt Entry Name               | CO5A2_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.

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Online datasheet: <https://stage.aaabiotech.com/col5a2-human-clia-kits/col5alpha2-collagen-type-v-alpha-2/171313>