

## Human CTSK ELISA Kit | CTSK elisa kit

Human CTSK (Cathepsin K) ELISA Kit

CATALOG #  
**AAA164731**

REACTIVITY  
**Human**

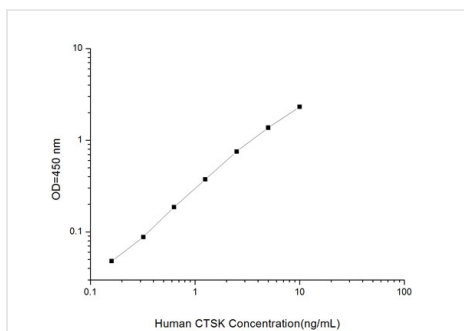
### PRODUCT SYNONYMS

CTSK; Human CTSK (Cathepsin K) ELISA Kit; CTSK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human CTSK. No significant cross-reactivity or interference between Human CTSK and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human CTSK and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 329                                                                                                                                                                                                                                                                                                                                                                                           |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                                                                                                                                                                                                                                                              |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                                      |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                                                                 |
| Sensitivity             | Min: 0.094ng/mL; Max: 10ng/mL                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                                                                                                                                                                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for CTSK elisa kit | <p><b>Description:</b> The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CTSK in human serum, plasma and other biological fluids</p> <p><b>Principle of the Assay:</b> This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CTSK. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human CTSK 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 Human CTSK, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human CTSK. You can calculate the concentration of Human CTSK in the samples by comparing the OD of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | 4503151                                                           |
| NCBI GeneID                      | 1513                                                              |
| NCBI Accession #                 | NP_000387.1                                                       |
| NCBI GenBank Nucleotide #        | NM_000396.3                                                       |
| UniProt Accession #              | P43235; Q6FHS6                                                    |
| Molecular Weight                 | 36,966 Da                                                         |
| NCBI Official Full Name          | cathepsin K preproprotein                                         |
| NCBI Official Synonym Full Names | cathepsin K                                                       |
| NCBI Official Symbol             | CTSK                                                              |
| NCBI Official Synonym Symbols    | CTSO; PKND; PYCD; CTSO2; CTSO1; CTSO2                             |
| NCBI Protein Information         | cathepsin K; cathepsin O; cathepsin O1; cathepsin O2; cathepsin X |
| UniProt Protein Name             | Cathepsin K                                                       |
| UniProt Gene Name                | CTSK                                                              |
| UniProt Synonym Gene Names       | CTSO; CTSO2                                                       |
| UniProt Entry Name               | CATK_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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