

## Human Cartilage Associated Protein (CRTAP) ELISA Kit | CRTAP elisa kit

Human Cartilage Associated Protein (CRTAP) Mini Samples ELISA Kit

CATALOG #  
**AAA147422**

REACTIVITY  
**Human**

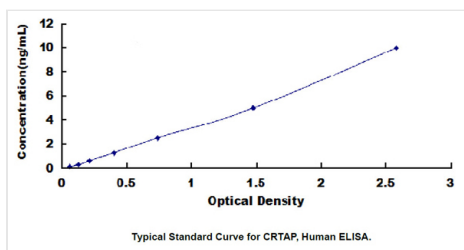
### PRODUCT SYNONYMS

Cartilage Associated Protein (CRTAP); Human Cartilage Associated Protein (CRTAP) Mini Samples ELISA Kit; CASP; LEPREL3; Leprecan-Like 3; CRTAP elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Human                                                                                                                                                                                                     |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of CRTAP. No significant cross-reactivity or interference between CRTAP and analogues was observed.                               |
| Sequence Length       | 401                                                                                                                                                                                                       |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                     |
| Samples               | Human tissue homogenates, cell lysates and other biological fluids                                                                                                                                        |
| Detection Range       | 0.156-10ng/mL                                                                                                                                                                                             |
| Sensitivity           | < 0.057ng/mL                                                                                                                                                                                              |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CRTAP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CRTAP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CRTAP elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CRTAP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CRTAP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CRTAP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CRTAP in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CRTAP in human tissue homogenates, cell lysates and other biological fluids.</p> |
| Product Categories/Family for CRTAP elisa kit   | Metabolic pathway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                              |
|----------------------------------|------------------------------|
| NCBI GI #                        | 5453601                      |
| NCBI GeneID                      | 10491                        |
| NCBI Accession #                 | NP_006362.1                  |
| NCBI GenBank Nucleotide #        | NM_006371.4                  |
| UniProt Accession #              | O75718; B2RBL6               |
| Molecular Weight                 | 46,562 Da                    |
| NCBI Official Full Name          | cartilage-associated protein |
| NCBI Official Synonym Full Names | cartilage associated protein |
| NCBI Official Symbol             | CRTAP                        |
| NCBI Official Synonym Symbols    | OI7; CASP; P3H5; LEPREL3     |
| NCBI Protein Information         | cartilage-associated protein |
| UniProt Protein Name             | Cartilage-associated protein |
| UniProt Gene Name                | CRTAP                        |
| UniProt Synonym Gene Names       | CASP                         |

**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.