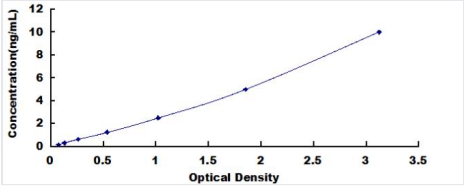
Cystatin 2 (CST2) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cystatin 2 (CST2), ELISA Kit
Full Product Name	Human Cystatin 2 (CST2) ELISA Kit
Product Gene Name	CST2 elisa kit
Product Synonym Names	Cystatin SA
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates, Cell Culture Supernates or Other Biological Fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.052ng/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	16,445 Da
OMIM	123856
3D Structure	ModBase 3D Structure for P09228
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CST2 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CST2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CST2. 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 CST2, 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 CST2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CST2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CST2 purchase	MBS458616 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cystatin 2 (CST2) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CST2. The ELISA analytical biochemical technique of the MBS458616 kit is based on CST2 antibody-CST2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CST2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CST2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of CST2 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CST2. It may not necessarily be applicable to this product.

NCBI GI #	4503105
NCBI GeneID	1470
NCBI Accession #	NP_001313.1
UniProt Primary Accession #	P09228
UniProt Secondary Accession #	Q9UCQ7
UniProt Related Accession #	P09228
GenBank Nucleotide #	NM_001322.2
NCBI Official Full Name	cystatin-SA
NCBI Official Synonym Full Names	cystatin SA
NCBI Official Symbol	CST2
UniProt Protein Name	Cystatin-SA
UniProt Synonym Protein Names	Cystatin-2; Cystatin-S5
Protein Family	Cystatin
UniProt Gene Name	CST2
NCBI Protein Information	cystatin-SA
NCBI Summary for CST2	The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where they appear to provide protective functions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes a secreted thiol protease inhibitor found at high levels in saliva, tears and seminal plasma. [provided by RefSeq, Jul 2008]
UniProt Comments for CST2	Thiol protease inhibitor.
Research Articles on CST2	**1.** interactions of human family 1 & 2 cystatins with cathepsin L1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-elisa-kits/cystatin-2-cst2/458616