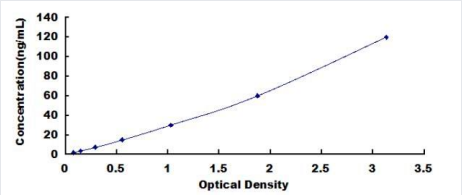
Cysteine Rich Secretory Protein 3 (CRISP3) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cysteine Rich Secretory Protein 3 (CRISP3), ELISA Kit
Full Product Name	Human Cysteine Rich Secretory Protein 3 (CRISP3) ELISA Kit
Product Gene Name	CRISP3 elisa kit
Product Synonym Names	CRS3; Aeg2; CRISP-3; SGP28; Specific granule protein of 28 kDa
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Saliva, Sweat or Other Biological Fluids.
Detection Range	1.87-120ng/mL
Sensitivity	0.68ng/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	30,116 Da
3D Structure	ModBase 3D Structure for P54108
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 CRISP3 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CRISP3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CRISP3. 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 CRISP3, 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 CRISP3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CRISP3 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 CRISP3 purchase	MBS458575 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cysteine Rich Secretory Protein 3 (CRISP3) 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 CRISP3. The ELISA analytical biochemical technique of the MBS458575 kit is based on CRISP3 antibody-CRISP3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CRISP3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CRISP3. 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 CRISP3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRISP3. It may not necessarily be applicable to this product.

NCBI GI #	300244562
NCBI GeneID	10321
NCBI Accession #	NP_001177915.1
UniProt Primary Accession #	P54108
UniProt Secondary Accession #	Q15512; Q3MJ82; Q53FA9; Q5JW83; Q9H108; A8K9S1; B2R8I8
UniProt Related Accession #	P54108
GenBank Nucleotide #	NM_001190986.2
NCBI Official Full Name	cysteine-rich secretory protein 3 isoform 2
NCBI Official Synonym Full Names	cysteine rich secretory protein 3
NCBI Official Symbol	CRISP3
NCBI Official Synonym Symbols	Aeg2; CRS3; SGP28; CRISP-3; dJ442L6.3
UniProt Protein Name	Cysteine-rich secretory protein 3
UniProt Synonym Protein Names	Specific granule protein of 28 kDa; SGP28
Protein Family	Cysteine-rich secretory protein
UniProt Gene Name	CRISP3
UniProt Synonym Gene Names	CRISP-3; SGP28
NCBI Protein Information	cysteine-rich secretory protein 3
NCBI Summary for CRISP3	This gene encodes a member of the cysteine-rich secretory protein (CRISP) family within the CRISP, antigen 5 and pathogenesis-related 1 proteins superfamily. The encoded protein has an N-terminal CRISP, antigen 5 and pathogenesis-related 1 proteins domain, a hinge region, and a C-terminal ion channel regulator domain. This protein contains cysteine residues, located in both the N- and C-terminal domains, that form eight disulfide bonds, a distinguishing characteristic of this family. This gene is expressed in the male reproductive tract where it plays a role in sperm function and fertilization, and the female reproductive tract where it plays a role in endometrial receptivity for embryo implantation. This gene is upregulated in certain types of prostate cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]
Research Articles on CRISP3	**1.** results suggest that overexpression of CRISP-3 in prostate tumor may maintain higher PSA expression and lower ANXA1 expression
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