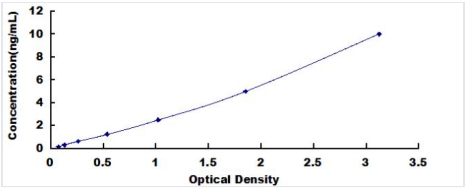
Cysteine Rich Protein 1, Intestinal (CRIP1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cysteine Rich Protein 1, Intestinal (CRIP1), ELISA Kit
Full Product Name	Human Cysteine Rich Protein 1, Intestinal (CRIP1) ELISA Kit
Product Gene Name	CRIP1 elisa kit
Product Synonym Names	CRP1; CRHP; CRIP; Cysteine-rich heart protein; Cysteine-rich intestinal protein
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/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	8,533 Da
OMIM	123875
3D Structure	ModBase 3D Structure for P50238
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 CRIP1 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CRIP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CRIP1. 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 CRIP1, 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 CRIP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CRIP1 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 CRIP1 purchase	MBS458573 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cysteine Rich Protein 1, Intestinal (CRIP1) 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 CRIP1. The ELISA analytical biochemical technique of the MBS458573 kit is based on CRIP1 antibody-CRIP1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CRIP1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CRIP1. 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 CRIP1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRIP1. It may not necessarily be applicable to this product.

NCBI GI #	4503047
NCBI GeneID	1396
NCBI Accession #	NP_001302.1
UniProt Primary Accession #	P50238
UniProt Secondary Accession #	Q13628; Q53XY7; Q96J34; H3BPI2
UniProt Related Accession #	P50238
GenBank Nucleotide #	NM_001311.4
NCBI Official Full Name	cysteine-rich protein 1
NCBI Official Synonym Full Names	cysteine rich protein 1
NCBI Official Symbol	CRIP1
NCBI Official Synonym Symbols	CRHP; CRIP; CRP1; CRP-1
UniProt Protein Name	Cysteine-rich protein 1
UniProt Synonym Protein Names	Cysteine-rich heart protein; CRHP; hCRHP; Cysteine-rich intestinal protein; CRIP
Protein Family	Cysteine-rich protein
UniProt Gene Name	CRIP1
UniProt Synonym Gene Names	CRIP; CRP1; CRP-1; CRHP; hCRHP; CRIP
NCBI Protein Information	cysteine-rich protein 1
NCBI Summary for CRIP1	Cysteine-rich intestinal protein (CRIP) belongs to the LIM/double zinc finger protein family, members of which include cysteine- and glycine-rich protein-1 (CSRP1; MIM 123876), rhombotin-1 (RBTN1; MIM 186921), rhombotin-2 (RBTN2; MIM 180385), and rhombotin-3 (RBTN3; MIM 180386). CRIP may be involved in intestinal zinc transport (Hempe and Cousins, 1991 [PubMed 1946385]).[supplied by OMIM, Mar 2008]
UniProt Comments for CRIP1	Seems to have a role in zinc absorption and may function as an intracellular zinc transport protein.
Research Articles on CRIP1	**1.** CRIP1 acts as an oncogene in the cell proliferation, migration, and invasion processes of thyroid carcinoma. CRIP1 may serve well as an independent prognostic marker with significant predictive power for use in thyroid carcinoma therapy.
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