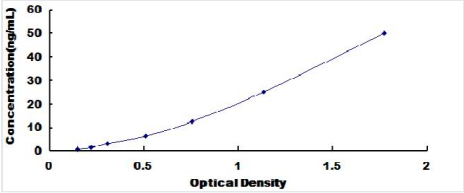
Complement 1 Inhibitor (C1INH) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Complement 1 Inhibitor (C1INH), ELISA Kit
Full Product Name	Human Complement 1 Inhibitor (C1INH) ELISA Kit
Product Gene Name	C1INH elisa kit
Product Synonym Names	SERPING1; C1IN; C1-INH; C1NH; HAE1; HAE2; Serpin Peptidase Inhibitor Clade G Member 1; Angioedema Hereditary; C1 Inhibitor; C1 Esterase Inhibitor
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma or Other Biological Fluids.
Detection Range	0.781-50ng/mL
Sensitivity	0.33ng/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	55,769 Da
OMIM	106100
3D Structure	ModBase 3D Structure for P05155
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 C1INH elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to C1INH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to C1INH. 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 C1INH, 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 C1INH in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of C1INH 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 C1INH purchase	MBS457999 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Complement 1 Inhibitor (C1INH) 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 C1INH. The ELISA analytical biochemical technique of the MBS457999 kit is based on C1INH antibody-C1INH antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C1INH antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C1INH. 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 C1INH elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C1INH. It may not necessarily be applicable to this product.

NCBI GI #	73858568
NCBI GeneID	710
NCBI Accession #	NP_000053.2
UniProt Primary Accession #	P05155
UniProt Secondary Accession #	Q16304; Q547W3; Q59EI5; Q7Z455; Q96FE0; Q9UC49; A6NMU0; A8KAI9; B2R6L5; B4E1F0; B4E1H2
UniProt Related Accession #	P05155
GenBank Nucleotide #	NM_000062.2
NCBI Official Full Name	plasma protease C1 inhibitor
NCBI Official Synonym Full Names	serpin family G member 1
NCBI Official Symbol	SERPING1
NCBI Official Synonym Symbols	C1IN; C1NH; HAE1; HAE2; C1INH
UniProt Protein Name	Plasma protease C1 inhibitor
UniProt Synonym Protein Names	C1 esterase inhibitor; C1-inhibiting factor; Serpin G1
UniProt Gene Name	SERPING1
UniProt Synonym Gene Names	C1IN; C1NH; C1 Inh; C1Inh
NCBI Protein Information	plasma protease C1 inhibitor
NCBI Summary for C1INH	This gene encodes a highly glycosylated plasma protein involved in the regulation of the complement cascade. Its protein inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. Deficiency of this protein is associated with hereditary angioneurotic oedema (HANE). Alternative splicing results in multiple transcript variants encoding the same isoform. [provided by RefSeq, Jul 2008]
UniProt Comments for C1INH	Activation of the C1 complex is under control of the C1-inhibitor. It forms a proteolytically inactive stoichiometric complex with the C1r or C1s proteases. May play a potentially crucial role in regulating important physiological pathways including complement activation, blood coagulation, fibrinolysis and the generation of kinins. Very efficient inhibitor of FXIIa. Inhibits chymotrypsin and kallikrein.
Research Articles on C1INH	**1.** A rare non-conservative missense mutation was newly identified in exon 9 of the PLG gene.
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