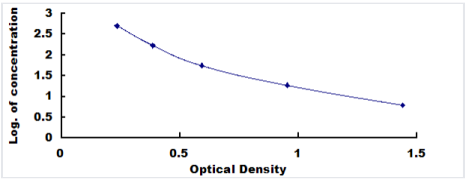
# Complement 1 Inhibitor (C1INH) ELISA Kit for Rat

## PRODUCT OVERVIEW

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| **Product Name** | Complement 1 Inhibitor (C1INH), ELISA Kit |
| **Full Product Name** | Rat 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** | Rat |
| **Assay Type** | Competitive inhibition |
| **Samples** | Serum, plasma and other biological fluids. |
| **Detection Range** | 7.812-500ng/mL |
| **Sensitivity** | 2.26ng/mL |
| **Preparation and Storage** | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |
| **Molecular Weight** | 55,611 Da |
| **3D Structure** | ModBase 3D Structure for Q6P734 |
| **Intra Assay** | CV<10% |
| **Inter Assay** | CV<12% |
| **ISO Certification** | Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory. |
| **Related Product Information for C1INH elisa kit** | MBS450193 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 MBS450193 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(%). |
| **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. |




**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.

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| **NCBI GI #** | 40018558 |

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| **NCBI GeneID** | 295703 |
| **NCBI Accession #** | NP_954524.1 |
| **UniProt Primary Accession #** | Q6P734 |
| **UniProt Related Accession #** | Q6P734 |
| **GenBank Nucleotide #** | NM_199093.1 |
| **NCBI Official Full Name** | plasma protease C1 inhibitor |
| **NCBI Official Synonym Full Names** | serpin family G member 1 |
| **NCBI Official Symbol** | Serping1 |
| **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** | C1 Inh; C1Inh |
| **NCBI Protein Information** | plasma protease C1 inhibitor |
| **NCBI Summary for C1INH** | human homolog acts as a serine protease inhibitor; involved in regulation of the classical complement pathway [RGD, Feb 2006] |
| **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.** Suggest that endogenous C1-inhibitor is likely involved in the regulation of complement activity in the myocardium following acute myocardial infarction. |
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