

C1 Inhibitor Recombinant Protein | C1 recombinant protein

Human C1 Inhibitor Recombinant Protein Lyophilized

CATALOG #
AAA266555

HOST
CHO cells

PRODUCT SYNONYMS

C1 Inhibitor; Human C1 Inhibitor Recombinant Protein Lyophilized; C1 recombinant protein

PRODUCT SPECIFICATIONS

Host	CHO cells
Purity/Purification	>95% by SDS-PAGE gel and HPLC analyses.
Form/Format	Lyophilized
Species	Human
Preparation and Storage	The recombinant protein is stable for at least 2 years from date of receipt at -20 degree C. Reconstituted protein is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 degree C. As with any protein, exposing the recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

ADDITIONAL INFORMATION

Related Product Information for C1 recombinant protein

Human C1 Inhibitor Recombinant Protein Lyophilized has been recombinantly produced in CHO cells.

C1 inhibitor is a member of the serpin family of structurally related proteins, and is the primary regulator of the immune complement system. C1 inhibitor is a protease inhibitor that functions to inhibit the complement system in order to prevent over-activation or spontaneous activation. Inhibition is achieved by binding to and irreversibly inhibiting the C1r and C1s proteases of the C1 complex, which has the effect of shutting down all subsequent downstream events in the complement activation cascade. C1 inhibitor can also inhibit various other proteases, including Kallikrein, Factor XIa, and Factor XIIa. Deficiencies in C1 inhibitor are the primary cause of hereditary angioedema (HAE, hereditary angioneurotic edema), a disease characterized by edema in the respiratory and gastrointestinal tracts. In certain clinical situations, the direct administration of C1 inhibitor can be used to treat HAE and certain other conditions. Recombinant Human C1 Inhibitor is a highly glycosylated glycoprotein containing 478 amino acid residues (52.8kDa), corresponding to amino acids 23 - 500 of the C1 inhibitor precursor, and is fully functional in its ability to inhibit the C1 complex. Glycosylated C1 Inhibitor migrates at an apparent molecular weight of approximately 80-90 kDa by SDS PAGE analysis under reducing conditions.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/c1-inhibitor-recombinant-protein-cho-cells/266555>