

32-13682: C1S Human

Format : The protein contains PBS.

Alternative Name : Complement C1s subcomponent, C1 esterase, Complement component 1 subcomponent s, C1S.

Description

Source: Human Plasma.

Physical Appearance: Sterile Filtered solution.

Biological Activity: null

C1s enzyme (a subunit of the C1 complex) is the activated form of C1s proenzyme which is the first complement component in the classical pathway of complement. C1s proenzyme is an inactive zymogen until C1 is activated. C1 is a non-covalent calcium-dependent complex containing 1 C1q, 2 C1r and 2 C1s molecules. The binding of multiple arms to immune complexes causes the production of 2 proteases that cleave and activate the 2 C1s protease zymogens in the complex by the C1r proteins. This activation of C1s proenzyme results in its cleavage into 2 C1s chains of 58,000 and 28,000 Dalton.

Human Complement C1s produced in Human plasma having a molecular mass of 86 kDa.

Product Info

Amount : 100 µg / 20 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Storage condition : Human C1s is stable at 4°C if entire vial will be used within 2-4 weeks. Store, frozen below -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.