

Native Human C1s-C1INH Complex

Cat. No. C1s-C1INH-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human C1s-C1INH Complex purified from serum (shown by certified tests to be negative for HBsAg, HTLV-I/II, STS, and for antibodies to HCV, HIV-1 and HIV-II).
Species	Human
Source	Serum
Description	The product C1s-C1INH Complex is made by interacting purified protease inhibitor C1-INH with purified C1s enzyme followed by purification. The protease inhibitor C1-INH prevents the spontaneous activation of complement and limits consumption of C2 and C4 by rapidly inactivating C1r, C1s and MASP2. It is the only plasma serine protease inhibitor (Serpine) capable of interacting with and inhibiting activated C1. C1-INH interacts with the catalytic sites of both C1r and C1s. The interaction with activated C1r and C1s is covalent resulting in complexes which are stable to SDS. C1s and C1r enzymes, however, are irreversibly inactivated by binding to C1-INH. C1s-C1INH is a very stable complex that remains intact even when subjected to freeze/thaw cycles with almost no loss of the complex form.
Form	Frozen liquid, 10 mM sodium phosphate, 145 mM NaCl, 5 mM EDTA, pH 7.3
Molecular Mass	196 kDa (1 chains)
Purity	> 90 % by SDS PAGE
Applications	C1s-C1INH complex can be used in studies designed for developing and identifying

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inhibitors for C1s activation thus leading to the possible development of therapeutics for inhibiting complement activation via the classical pathway.

Storage

At -70 centigrade or below. Avoid freeze/thaw.

Concentration

0.5 mg/mL

**Extinction
Coefficient**

A280 nm = 0.725 at 1.0 mg/mL for pure C1s-C1INH Complex

GENE INFORMATION**Official Symbol**

C1s-C1INH

Synonyms

C1s-C1INH

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