

C1s/Complement component C1s Protein, Human (HEK293, His)

Cat. No.:	HY-P700696
Synonyms:	Complement C1s subcomponent; C1 esterase;
Species:	Human
Source:	HEK293
Accession:	P09871 (E16-D688)
Gene ID:	716
Molecular Weight:	55-60 kDa (light chain), 32-35 kDa (heavy chain)

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	C1s, a serine protease, constitutes the B chain that, in conjunction with C1q and C1r, assembles to create C1, the initial component in the classical pathway of the complement system. Activation of C1s is facilitated by C1r, enabling it to subsequently activate downstream components C2 and C4, thereby initiating the cascade of events essential for complement system function.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA