

C6/Complement component C6 Protein, Human (HEK293, His)

Cat. No.:	HY-P74373
Synonyms:	Complement component C6; C6
Species:	Human
Source:	HEK293
Accession:	AAA59668 (M1-A934)
Gene ID:	729
Molecular Weight:	Approximately 110 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/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	Complement component C6 (C6) is a part of the lytic membrane attack complex formed during complement activation, which has an indispensable role in innate and acquired immune responses by forming pores in the plasma membrane of target cells, as well as cancer immune surveillance. It is a component of the complement cascade which can be incorporated into the cell membrane and cause cell lysis. Purified human C6 is unique to the terminal complement pathway and also plays a critical role in inflammatory responses. C6 deficiency is the most common terminal complement component deficiency and can present later in age with N. meningitidis infections ^{[1][2]} .
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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