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## Product Data Sheet

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Product Name: C6 Human  
Cat. No.: GP26228  
Batch No.: 1

### Product Data

Purity	>98%	Source	Human Plasma.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Complement component C6, C6.		
Formulation	C6 protein solution contains phosphate buffer saline, pH 7.2.		

### Introduction

C6 is necessary for membrane attack complex formation and is activated by binding to recently-formed C5b at the cell membrane. Each pathway of complement activation generates proteolytic enzyme complexes which are bound to the target surface. These enzymes cleave a peptide bond in the larger alpha chain of C5 releasing C5a and activating C5b. Although C5b is unstable it remains bound to the activating complex for a few minutes during which it binds a single C6 from the surrounding fluid or it decays and is no longer capable of forming MAC. The C5b,6 complex may also remain connected to the C3/C5 convertase where the binding of a single C7 exposes a membrane-binding region and C5b,6,7 can enter into the bilipid layer of the target cell.

### Stability

C6 Human 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.

### Background

Human Complement C6 produced in Human plasma having a molecular mass of 105 kDa.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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