

## Active Native Human C5b,6 Complex Protein

**Cat. No.** C5b6-1537H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Native Human C5b,6 Complex Protein was purified from normal human serum.                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Human Serum                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | C5b,6 is a product of complement activation of C5 and an intermediate in the formation of the C5b-9 membrane attack complex (MAC) of complement.                                                                                                                                                  |
| <b>Form</b>             | Frozen liquid                                                                                                                                                                                                                                                                                     |
| <b>Bio-activity</b>     | >10,000 Units/mg for lysis of sheep erythrocytes.                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 285,000 Da (3 chains). C5b,6 is composed of two disulfide linked chains from C5b (105,000 and 75,000) and one unlinked chain from C6 (105,000).                                                                                                                                                   |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                  |
| <b>Unit Definition</b>  | One unit of lytic activity is defined as the amount of C5b,6 complex required to yield 50% lysis of $1.5 \times 10^7$ sheep erythrocytes when incubated for 30 minutes at 37 centigrade in a total reaction volume of 75 $\mu$ GVBE (10 mM EDTA) containing 500 ng C7, 500 ng C8, and 1000 ng C9. |
| <b>Storage</b>          | Store at -70 centigrade or below. Avoid freeze/thaw.                                                                                                                                                                                                                                              |

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**Storage buffer** 10 mM HEPES, 120 mM NaCl, pH 7.2

## GENE INFORMATION

**Official Symbol** C5b,6 Complex

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