


Rev03
Update: Aug,08,2025**DATASHEET**

Complement C5a, His, Human

Cat. No.: Z05187

Product Introduction

Species	Human
Protein Construction	
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	E.coli
Theoretical Molecular Weight	9.37 kDa
Apparent Molecular Weight	The protein migrates to 13-14 kDa based on Bis-Tris PAGE result.
Formulation	Supplied as 0.22µm filtered solution in 20mM PB, 500mM NaCl, 10% Glycerol (pH 7.4).
Concentration	Verified by one or more methods from A280/Bioactivity/BCA/Bradford.
Storage & Stability	This product remains stable for 6 months at -80°C or below. Avoid repeated freeze-thaw cycles.

Background

Target Background : The anaphylatoxin C5a is an extremely potent proinflammatory peptide produced during activation of the complement system. The structure of C5a includes a core region (N-terminal residues 1-63) consisting of four, antiparallel alpha-helices held together by three disulfide linkages and a structured C-terminal tail (residues 64-74).

Synonyms : C5a; CPAMD4; ECLZB

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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