

## Complement C5a, Human Recombinant

<b>Catalog No.</b>	CRC187A	<b>Quantity:</b>	20 µg
	CRC187B		100 µg
	CRC187C		1.0 mg

**Description:** Human complement C5a is a 74-amino acid glycopeptide generated during complement activation from the  $\alpha$ -chain of complement C5. C5a is a potent chemotactic factor for human peripheral blood neutrophils and monocytes, and is believed to play an important role in a number of inflammatory conditions. Recombinant Human Complement C5a has an activity similar to that of serum derived C5a based on enzyme assay of myeloperoxidase release.

**Source:** *E. coli*

**Formulation:** Lyophilized with no additives

**Purity:** >95% by SDS-PAGE

**Endotoxin Level:** <0.1 ng per µg of C5a

**Biological Activity:** Human recombinant C5a is as active as that of serum derived C5a based on enzyme release assay of myeloperoxidase. Our current lot of ED<sub>50</sub> = 1.36 nM

**Reconstitution:** **Centrifuge vial prior to opening.** Reconstitute to a concentration of 1.0 mg/ml in ice-cold water containing 2.5 mg/ml BSA.

**Storage & Stability:** Store lyophilized product at -20°C or -80°C. Stable for at least 1 year. After reconstitution, aliquot the solution and immediately store at -80°C for future use. **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

