

**C5a (His-Tag), human recombinant protein**  
**Recombinant human C5a (His-Tag)**  
**Catalog # PBV10529r****Specification**

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**C5a (His-Tag), human recombinant protein - Product info**

Calculated MW (74 amino acids) KDa

**C5a (His-Tag), human recombinant protein - Additional Info****Other Names**

C5a anaphylatoxin chemotactic receptor, C5a anaphylatoxin chemotactic receptor (C5a-R), (C5aR, ) (CD antigen CD88), C5AR1, C5AR, C5R1

Source

Assay&amp;Purity

Assay2&amp;Purity2

Recombinant

**E. coli****SDS-PAGE; ≥95%****HPLC;****Yes****Application Notes**

Reconstitute to a concentration of 1.0 mg/ml in ice-cold H<sub>2</sub>O containing 2.5 mg/ml BSA. The solution should be aliquoted and immediately stored at -70°C for future use. Frozen/thaw will result in some loss of activity.

**Format**

Lyophilized protein

**Storage**

-20°C; Lyophilized with no additives

**C5a (His-Tag), human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**C5a (His-Tag), human recombinant protein - Images****C5a (His-Tag), human recombinant protein - Background**

Human complement C5a is a 74-amino acid glycopeptide generated during complement activation from the α-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. The 74 amino acid, human C5a protein expressed in E. coli with a 6 amino acid, N-terminal His-Tag sequence and 28 amino acid proprietary vector sequence necessary for expression (C5a without His-tag is available). The recombinant protein is not further processed to remove the additional sequence. Recombinant C5a has an activity similar to that of serum derived C5a based on enzyme assay of myeloperoxidase release.