

C5a (His-Tag), murine recombinant protein
Complement Fragments C5a
Catalog # PBV10468r**Specification**

C5a (His-Tag), murine recombinant protein - Product info

Primary Accession [P06684](#)
Calculated MW **9 kDa** **KDa**

C5a (His-Tag), murine recombinant protein - Additional Info

Gene ID **15139**
Gene Symbol **C5a**
Other Names
Complement Fragments C5a, C5a anaphylatoxin chemotactic receptor

Gene Source **Mouse**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Results **1-3 nmolar**

Application Notes

Reconstitute to a concentration of 1.0 mg/ml in ice-cold H₂O containing 2.5 mg/ml BSA. The solution should be aliquoted and immediately stored at -70°C.

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

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

Mouse complement C5a is a 77-amino acid peptide generated during complement activation from the α -chain of complement C5. Mouse C5a shares 60% and 82% amino acid sequence identity to human and rat C5a, respectively. C5a binds to a signaling G-protein coupled receptor (GPCR) (C5aR/CD88), inducing neutrophil chemotaxis and endothelial cell activation. It also triggers an oxidative burst in macrophages and neutrophils, and induces release of histamine in basophils and mast cells. The 9 kDa mouse C5a protein expressed in *E. coli* contains a N-terminal His-Tag sequence.