

Human C5a Recombinant Protein



RPPB2950

Product Information Protein Information

Product SKU:

RPPB2950

Accession:

P01031

Host:

Escherichia Coli.

Protein description:

C5a Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 74 amino acids and having a molecular mass of 8.3kDa. The Human C5a is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Complement Component 5, C3 and PZP-Like Alpha-2-Macroglobulin Domain-Containing Protein 4, C5a Anaphylatoxin, Prepro-C5, CPAMD4, Anaphylatoxin C5a Analog, ECLZB, C5A, C5D, C5b, C5.

Formulation:

Human C5a was lyophilized from a concentrated (1mg/ml) solution in PBS, pH 7.4.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized C5a Human in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Human C5a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Human C5a should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

TLQKKIEEIA AKYKHSVVKK CCYDGACVNN DETCEQRAAR ISLGPRCIKA FTECCVVASQ LRANISHKDM QLGR.

Biological Activity:

The biological activity determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.