

TECHNICAL DATA SHEET

Recombinant Mouse C5a (Carrier-free)

Catalog Number: 21-9217

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Mouse C5a (Carrier-free)

DESCRIPTION

Complement 5a (C5a) is a protein fragment generated by the enzymatic cleavage of complement component C5 during complement activation. It belongs to the anaphylatoxin family of related proteins. C5a is a potent mediator of proinflammatory responses and a chemotactic factor for neutrophils and other leukocytes. It causes histamine release, increased vascular permeability, induces IL-8 production by monocytes, enhances neutrophil-endothelial cell adhesion, and augments immune responses. Recombinant Mouse C5a is an 8.9 kDa glycoprotein containing the 77 amino acid residues of the C5a anaphylatoxin chain.

MOLECULAR MASS

8.9 kDa

AMINO ACID SEQUENCE

NLHLLRQKIE EQAAKYKHSV PKKCCYD GAR VNFYETCEER VARVTIGPLC IRAFNECCTI ANKIRKESPH KPVQLGR

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/µg of protein (<1 EU/µg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

N/A

BIOACTIVITY

Measured by its ability to support adhesion of Human Umbilical Vein Endothelial Cells (HUVEC) to the Recombinant Murine C5a-coated surface.

RESEARCH AREAS

Angiogenesis/Cardiovascular, Chemotaxis, Immune System, Inflammation

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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