

RPCB1494

Product Information

Product SKU:	RPCB1494	Gene ID:	727	Size:	10µg
Tag:	NO-Tag	Reactivity:	Human		

Additional Information

Expression Host:	E. coli	Swissprot:	P01031
Purity:	> 94 % by SDS-PAGE.		

Protein Information

Background: Human Complement 5a (C5a) is an enzymatically generated glycoprotein that belongs to a family of structurally and functionally related proteins known as anaphylatoxins. Human C5a has four alpha -helices plus three intrachain disulfide bonds that create a triple loop structure . In serum, proteolytic processing removes the C-terminal arginine, creating a low activity C5adesArg74 molecule . Human C5a is 60% and 54% aa identical to mouse and rat C5a, respectively. C5a binds to a signaling G-protein coupled receptor (C5aR/CD88) and a nonsignaling GPCR termed C5L2 . Activation of Cd88 results in 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.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human Complement C5A Protein , tested reactivity in E. coli and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: <0.1EU/ug of the protein by LAL method.

Formulation: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.