Recombinant Human C5AR1

Cat. No. C5AR1-27120TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human C5R1 with N terminal FLAG tag and C terminal His tag co-expressed with inhibitory G-protein Gia1b1g2, prepared from Sf9 insect cells triple-infected with C5R1, Gia1 and Gb1g2 encoding baculoviruses.
Species	Human
Description	C5R1 belongs to the G-protein coupled receptor 1 family and is a receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. It stimulates chemotaxis, granule enzyme release and superoxide anion production.Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.
Conjugation	FLAG,His
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 75mM Tris HCl, 12.5mM Magnesium chloride, 1mM EDTA, pH 7.4
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Full Length	Full L.

GENE INFORMATION

Gene Name	C5AR1 complement component 5a receptor 1 [Homo sapiens]
Official Symbol	C5AR1
Synonyms	C5AR1; complement component 5a receptor 1; C5R1, complement component 5 receptor 1 (C5a ligand); C5a anaphylatoxin chemotactic receptor; C5A; C5AR; CD88;
Gene ID	728
mRNA Refseq	NM_001736
Protein Refseq	NP_001727
MIM	113995
Uniprot ID	P21730
Chromosome Location	19q13.3-q13.4
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem;
Function	C5a anaphylatoxin receptor activity; G-protein coupled receptor activity; receptor activity; signal transducer activity;

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