

Recombinant Human C5AR1 293 Cell Lysate

Cat. No. C5AR1-8019HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for complement component 5a receptor 1 (C5AR1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; C5a-R; C5a ligand; C5a anaphylatoxin receptor; complement component 5 receptor 1; C5R1;

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,

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conserved biosystem; G alpha (i) signalling events, organism-specific biosystem;
GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding,
organism-specific biosystem;

Function

C5a anaphylatoxin receptor activity; G-protein coupled receptor activity; receptor
activity; signal transducer activity;

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