

Active Recombinant Human C5AR1 Protein, Myc/DD-tagged

Cat. No. C5AR1-02H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human complement component 5a receptor 1 (C5AR1) with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. The ligand interacts with at least two sites on the receptor: a high-affinity site on the extracellular N-terminus, and a second site in the transmembrane region which activates downstream signaling events. Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production.
Bio-activity	Binding assay
Molecular Mass	39.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name C5AR1 complement C5a receptor 1 [Homo sapiens (human)]

Official Symbol C5AR1

Synonyms C5AR1; complement C5a receptor 1; C5A; C5AR; C5R1; CD88; C5a anaphylatoxin chemotactic receptor 1; C5a anaphylatoxin receptor; C5a ligand; C5a-R; complement component 5a receptor 1

Gene ID 728

mRNA Refseq NM_001736

Protein Refseq NP_001727

MIM 113995

UniProt ID P21730

SDS-PAGE Coomassie blue staining of purified C5AR1 protein. The protein was produced from HEK293T cells transfected with C5AR1 cDNA clone using MegaTran 2.0.

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