

# Human C5AR1 Full-Length Bioactive Membrane Protein

## HDFP067



### Product Information

**Product SKU:**

HDFP067

**Size:**

10µg

**Molecular Weight:**

The human full length C5AR1 protein has a MW of 39.3 kDa

**Expression System:**

HEK293

**Uniprot:**

P21730

**Target:**

C5AR1

### Antibody Information

**Background:**

Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a (PubMed:1847994, PubMed:8182049, PubMed:7622471, PubMed:9553099, PubMed:10636859, PubMed:15153520, PubMed:29300009). 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 (PubMed:8182049, PubMed:7622471, PubMed:9553099). Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:10636859, PubMed:15153520). [UniProtKB/Swiss-Prot Function]

**Description:**

Human C5AR1 full length protein-synthetic nanodisc

**Protein Family:**

Druggable Genome, GPCR, Transmembrane

**Protein Pathways:**

Complement and coagulation cascades, Neuroactive ligand-receptor interaction

**Synonyms:**

C5A; C5AR; C5R1; CD88

**Storage:**

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

**Usage:**

Research use only

**Form:**

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.

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