

PRODUCT INFORMATION

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|------------------------------|--|
| Tag                          | C-Flag&Strep Tag   |
| Target                       | C5AR1  |
| Synonyms                     | C5A; C5AR; C5R1; CD88  |
| Description                  | Human C5AR1-Strep full length protein-synthetic nanodisc   |
| Delivery                     | 6~8weeks   |
| Uniprot ID                   | P21730   |
| Expression Host              | HEK293   |
| Protein Families             | Druggable Genome, GPCR, Transmembrane  |
| Protein Pathways             | Complement and coagulation cascades, Neuroactive ligand-receptor interaction   |
| Molecular Weight             | The human full length C5AR1-Strep protein has a MW of 39.3 kDa   |
| Formulation & Reconstitution | 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 of reconstitution.   |
| Storage & Shipping           | 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.   |
| Background                   | 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 |
| Usage                        | Research use only  |
| Conjugate                    | Unconjugated   |

