

**PRODUCT INFORMATION**

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|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target</b>                           | C3AR                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>                         | AZ3B, C3AR, HNFAG09                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>                      | Human C3AR full length protein-synthetic nanodisc                                                                                                                                                                                                                                                                                           |
| <b>Delivery</b>                         | 6~8weeks                                                                                                                                                                                                                                                                                                                                    |
| <b>Uniprot ID</b>                       | Q16581                                                                                                                                                                                                                                                                                                                                      |
| <b>Expression Host</b>                  | HEK293                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Families</b>                 | GPCR,Transmembrane,Druggable Genome,                                                                                                                                                                                                                                                                                                        |
| <b>Protein Pathways</b>                 | GPCRDB Class A Rhodopsin-like,Peptide GPCRs,                                                                                                                                                                                                                                                                                                |
| <b>Molecular Weight</b>                 | The human full length C3AR protein has a MW of 53.9kDa                                                                                                                                                                                                                                                                                      |
| <b>Formulation &amp; Reconstitution</b> | 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. Do not use solvents with pH lower than 6.5 in subsequent experiments.                                        |
| <b>Storage &amp; Shipping</b>           | 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.                                                                                         |
| <b>Background</b>                       | C3a is an anaphylatoxin released during activation of the complement system. The protein encoded by this gene is an orphan G protein-coupled receptor for C3a. Binding of C3a by the encoded receptor activates chemotaxis, granule enzyme release, superoxide anion production, and bacterial opsonization. [provided by RefSeq, May 2016] |
| <b>Usage</b>                            | Research use only                                                                                                                                                                                                                                                                                                                           |

