

## **PRODUCT INFORMATION**

| Тад                             | C-Flag&Strep Tag  |
|---------------------------------|---|
| Target                          | GPR21   |
| Synonyms                        | Probable G-protein coupled receptor 21  |
| Description                     | Human GPR21-Strep full length protein-synthetic nanodisc  |
| Delivery                        | 6~8weeks  |
| Uniprot ID                      | Q99679  |
| <b>Expression Host</b>          | HEK293  |
| <b>Protein Families</b>         | GPCR,Transmembrane,Druggable Genome,  |
| Protein Pathways                | GPCRDB Class A Rhodopsin-like,  |
| Molecular Weight                | The human full length GPR21-Strep protein has a MW of 39.5 kDa  |
| Formulation &<br>Reconstitution | Lyophilized from nanodisc solubilization buffer (20<br>mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%<br>– 8% trehalose is added as protectants before<br>lyophilization. Please see Certificate of Analysis<br>for specific instructions. Do not use solvents with<br>a pH below 6.5 or those containing high<br>concentrations of divalent metal ions (greater<br>than 5 mM) in subsequent experiments. |
| Storage & Shipping              | Store at -20°C to -80°C for 12 months in<br>lyophilized form. After reconstitution, if not<br>intended for use within a month, aliquot and store<br>at -80°C (Avoid repeated freezing and thawing).<br>Lyophilized proteins are shipped at ambient<br>temperature.  |
| Background                      | This gene encodes a member of the G-protein-<br>coupled receptor 1 family. G-protein coupled<br>receptors are membrane proteins which activate<br>signaling cascades as a response to extracellular<br>stress. The encoded protein activates a Gq signal<br>transduction pathway which mobilizes calcium.<br>[provided by RefSeq, Nov 2012]   |
| Usage                           | Research use only   |
| Conjugate                       | Unconjugated  |
|                                 |   |

