

**PRODUCT INFORMATION**

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| <b>Tag</b>                              | C-Flag&Strep Tag  |
| <b>Target</b>                           | LPAR1   |
| <b>Synonyms</b>                         | EDG2, Gpcr26, LPA1, Mrec1.3, VZG1, edg-2, rec.1.3, vzg-1  |
| <b>Description</b>                      | Human LPAR1-Strep full length protein-synthetic nanodisc  |
| <b>Delivery</b>                         | 6~8weeks  |
| <b>Uniprot ID</b>                       | Q92633  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Protein Families</b>                 | GPCR,Transmembrane,Druggable Genome,  |
| <b>Protein Pathways</b>                 | Small ligand GPCRs,Smooth muscle contraction,Cancer,G-Protein Coupled Receptors Signaling Pathway,  |
| <b>Molecular Weight</b>                 | The human full length LPAR1-Strep protein has a MW of 41.1 kDa  |
| <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   |
| <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>                       | The integral membrane protein encoded by this gene is a lysophosphatidic acid (LPA) receptor from a group known as EDG receptors. These receptors are members of the G protein-coupled receptor superfamily. Utilized by LPA for cell signaling, EDG receptors mediate diverse biologic functions, including proliferation, platelet aggregation, smooth muscle contraction, inhibition of neuroblastoma cell differentiation, chemotaxis, and tumor cell invasion. Many transcript variants encoding a few different isoforms have been identified for this gene. [provided by RefSeq, Oct 2020] |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |

