

HDFP1059

Product Information

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|---------------------|----------|-------------------------|------------------|--------------|------|
| Product SKU: | HDFP1059 | Expression Host: | HEK293 | Size: | 10µg |
| Target: | LPAR2 | Tag: | C-Flag&Strep Tag | | |

Additional Information

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|--------------------------|--|--------------------|--------|
| Conjugate: | Unconjugated | Uniprot ID: | Q9HBW0 |
| Molecular Weight: | The human full length LPAR2-Strep protein has a MW of 38.7 kDa | | |

Protein Information

Background: This gene encodes a member of family I of the G protein-coupled receptors, as well as the EDG family of proteins. This protein functions as a lysophosphatidic acid (LPA) receptor and contributes to Ca²⁺ mobilization, a critical cellular response to LPA in cells, through association with Gi and Gq proteins. An alternative splice variant has been described but its full length sequence has not been determined. [provided by RefSeq, Jul 2008]

Synonyms: EDG-4, EDG4, LPA-2, LPA2

Protein Description: Human LPAR2-Strep full length protein-synthetic nanodisc

Formulation: 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 a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

Protein Pathways: Cancer, G-Protein Coupled Receptors Signaling Pathway.

Protein Families: GPCR, Transmembrane, Druggable Genome.

Usage: Research use only

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.

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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