

HDFP436

Product Information

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|---------------------|---------|-------------------------|------------|--------------|------|
| Product SKU: | HDFP436 | Expression Host: | HEK293 | Size: | 10µg |
| Target: | PF2R | Tag: | C-Flag Tag | | |

Additional Information

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|--------------------------|--|--------------------|--------|
| Conjugate: | Unconjugated | Uniprot ID: | P43088 |
| Molecular Weight: | The human full length PF2R protein has a MW of 40.1kDa | | |

Protein Information

Background: The protein encoded by this gene is member of the G-protein coupled receptor family. This protein is a receptor for prostaglandin F2-alpha (PGF2-alpha), which is known to be a potent luteolytic agent, and may also be involved in modulating intraocular pressure and smooth muscle contraction in uterus. Knockout studies in mice suggest that the interaction of PGF2-alpha with this receptor may initiate parturition in ovarian luteal cells and thus induce luteolysis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Synonyms: FP

Protein Description: Human PF2R 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: GPCRDB Class A Rhodopsin-like, GPCRDB Other, Prostaglandin synthesis regulation, Small ligand GPCRs.

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.