

## HDFP306

### Product Information

<b>Product SKU:</b>	HDFP306	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	GPR62	<b>Tag:</b>	C-Flag Tag		

### Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	Q9BZJ7
<b>Molecular Weight:</b>	The human full length GPR62 protein has a MW of 37.6kDa		

### Protein Information

**Background:** Orphan G-protein coupled receptor. Constitutively activates the G(q/11)/inositol phosphate and the G(s)-alpha/cAMP signaling pathways (PubMed:28827538). Has spontaneous activity for beta-arrestin recruitment (PubMed:28827538). Shows a reciprocal modulation of signaling functions with the melatonin receptor MTNR1B most likely through receptor heteromerization (PubMed:28827538).[UniProtKB/Swiss-Prot Function]

**Synonyms:** GPCR8, KPG\_005

**Protein Description:** Human GPR62 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 Other.

**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.

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