

HDFP1000

## Product Information

<b>Product SKU:</b>	HDFP1000	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	GP153	<b>Tag:</b>	C-Flag&Strep Tag		

## Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	Q6NV75
<b>Molecular Weight:</b>	The human full length GP153-Strep protein has a MW of 65.4 kDa		

## Protein Information

**Background:** This gene encodes an integral membrane protein that belongs to the Class A rhodopsin superfamily of G protein coupled receptors. The encoded protein is expressed primarily in the central nervous system. A knockdown of the orthologous gene in rat is associated with a significant reduction in food intake and impaired decision making ability. Mutations in this gene are associated with schizophrenia, autism, and other neuropsychiatric disorders. The expression of this gene is activated by the glioma-associated oncogene homolog 1 transcription factor which, in turn, is activated by sonic hedgehog in normal and tumorigenic cells. [provided by RefSeq, Feb 2017]

**Synonyms:** PGR1

**Protein Description:** Human GP153-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:** -

**Protein Families:** 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.