

HDFP1014

Product Information

Product SKU:	HDFP1014	Expression Host:	HEK293	Size:	10µg
Target:	GPBAR1	Tag:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated	Uniprot ID:	Q8TDU6
Molecular Weight:	The human full length GPBAR-Strep protein has a MW of 35.2 kDa		

Protein Information

Background: This gene encodes a member of the G protein-coupled receptor (GPCR) superfamily. This enzyme functions as a cell surface receptor for bile acids. Treatment of cells expressing this GPCR with bile acids induces the production of intracellular cAMP, activation of a MAP kinase signaling pathway, and internalization of the receptor. The receptor is implicated in the suppression of macrophage functions and regulation of energy homeostasis by bile acids. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

Synonyms: BG37, GPCR19, GPR131, M-BAR, TGR5

Protein Description: Human GPBAR1-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: 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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