

Datasheet for ABIN7596738

## G Protein-Coupled Receptor 119 Protein (GPR119) (DYKDDDDK Tag, Strep Tag)



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### Overview

Quantity:	10 µg
Target:	G Protein-Coupled Receptor 119 (GPR119)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This G Protein-Coupled Receptor 119 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Immunogen (Imm), Cryogenic electron microscopy (cryo-EM)

### Product Details

Purpose:	Human GP119-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	G Protein-Coupled Receptor 119 (GPR119)
Alternative Name:	GP119 ( <a href="#">GPR119 Products</a> )
Background:	<p>GPCR2</p> <p>This gene encodes a member of the rhodopsin subfamily of G-protein-coupled receptors that is expressed in the pancreas and gastrointestinal tract. The encoded protein is activated by lipid amides including lysophosphatidylcholine and oleoylethanolamide and may be involved in glucose homeostasis. This protein is a potential drug target in the treatment of type 2 diabetes.[provided by RefSeq, Jan 2010]</p>

## Target Details

Molecular Weight: The human full length GP119-Strep protein has a MW of 36.9 kDa

UniProt: [Q8TDV5](#)

Pathways: [Hormone Transport, Peptide Hormone Metabolism](#)

## Application Details

Comment: Advantages:

- Highly purified membrane proteins
- High solubility in aqueous solutions
- High stability
- Proteins are in a native membrane environment and remain biologically active
- No detergent and can be used for cell-based assays
- No MSP backbone proteins
- Mammalian cell expression system ensures post- translational modifications

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months