

Datasheet for ABIN7596781

## GPR34 Protein (DYKDDDDK Tag, Strep Tag)



[Go to Product page](#)

### Overview

|                               |                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Quantity:                     | 10 µg                                                                                                                 |
| Target:                       | GPR34                                                                                                                 |
| Origin:                       | Human                                                                                                                 |
| Source:                       | HEK-293 Cells                                                                                                         |
| Protein Type:                 | Synthetic Nanodisc                                                                                                    |
| Purification tag / Conjugate: | This GPR34 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

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|----------|----------------------------------------------------------|
| Purpose: | Human GPR34-Strep full length protein-synthetic nanodisc |
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### Target Details

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| Target:           | GPR34                                                                                                                                                                                                                                                                                                                                                                                          |
| Alternative Name: | GPR34 ( <a href="#">GPR34 Products</a> )                                                                                                                                                                                                                                                                                                                                                       |
| Background:       | <p>LYPSR1</p> <p>G protein-coupled receptors (GPCRs), such as GPR34, are integral membrane proteins containing 7 putative transmembrane domains (TMs). These proteins mediate signals to the interior of the cell via activation of heterotrimeric G proteins that in turn activate various effector proteins, ultimately resulting in a physiologic response.[supplied by OMIM, Apr 2006]</p> |
| Molecular Weight: | The human full length GPR34-Strep protein has a MW of 43.9 kDa                                                                                                                                                                                                                                                                                                                                 |

## Target Details

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UniProt: [Q9UPC5](#)

## Application Details

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| Comment: | Advantages: <ul style="list-style-type: none"><li>• Highly purified membrane proteins</li><li>• High solubility in aqueous solutions</li><li>• High stability</li><li>• Proteins are in a native membrane environment and remain biologically active</li><li>• No detergent and can be used for cell-based assays</li><li>• No MSP backbone proteins</li><li>• Mammalian cell expression system ensures post- translational modifications</li></ul> |
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| Restrictions: | For Research Use only |
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## Handling

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| 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).<br>Lyophilized proteins are shipped at ambient temperature. |
| Expiry Date:     | 12 months                                                                                                                                                                                                                                              |