

Datasheet for ABIN7596918

**PTGDR Protein (DYKDDDDK Tag, Strep Tag)**[Go to Product page](#)

## Overview

|                               |                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Quantity:                     | 10 µg                                                                                                                 |
| Target:                       | PTGDR                                                                                                                 |
| Origin:                       | Human                                                                                                                 |
| Source:                       | HEK-293 Cells                                                                                                         |
| Protein Type:                 | Synthetic Nanodisc                                                                                                    |
| Purification tag / Conjugate: | This PTGDR 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 PD2R-Strep full length protein-synthetic nanodisc |
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## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Target:           | PTGDR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Alternative Name: | PD2R ( <a href="#">PTGDR Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Background:       | <p>AS1, ASRT1, DP, DP1, PTGDR1</p> <p>This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein is reported to be a receptor for prostaglandin D2, which is a mediator of allergic inflammation and allergic airway inflammation in asthma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]</p> |

## Target Details

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Molecular Weight: | The human full length PD2R-Strep protein has a MW of 40.3 kDa |
| UniProt:          | <a href="#">Q13258</a>                                        |
| Pathways:         | <a href="#">Thromboxane A2 Receptor Signaling</a>             |

## Application Details

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Comment: | <p>Advantages:</p> <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

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