

Datasheet for ABIN7596927

PTH2R Protein (DYKDDDDK Tag, Strep Tag)



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Overview

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| Quantity: | 10 µg |
| Target: | PTH2R |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Synthetic Nanodisc |
| Purification tag / Conjugate: | This PTH2R protein is labelled with DYKDDDDK Tag, Strep Tag. |
| Application: | Immunogen (Imm), ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM) |

Product Details

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| Purpose: | Human PTH2R-Strep full length protein-synthetic nanodisc |
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Target Details

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| Target: | PTH2R |
| Alternative Name: | PTH2R (PTH2R Products) |
| Background: | <p>PTHR2</p> <p>The protein encoded by this gene is a member of the G-protein coupled receptor 2 family. This protein is a receptor for parathyroid hormone (PTH). This receptor is more selective in ligand recognition and has a more specific tissue distribution compared to parathyroid hormone receptor 1 (PTHR1). It is activated only by PTH and not by parathyroid hormone-like hormone (PTHrP) and is particularly abundant in brain and pancreas. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]</p> |

Target Details

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| Molecular Weight: | The human full length PTH2R-Strep protein has a MW of 62.2 kDa |
| UniProt: | P49190 |
| Pathways: | cAMP Metabolic Process |

Application Details

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| Comment: | <p>Advantages:</p> <ul style="list-style-type: none">• 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 |
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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: | <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 |