

Datasheet for ABIN7597201

GRIK4 Protein (DYKDDDDK Tag, Strep Tag)[Go to Product page](#)

Overview

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| Quantity: | 10 µg |
| Target: | GRIK4 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Synthetic Nanodisc |
| Purification tag / Conjugate: | This GRIK4 protein is labelled with DYKDDDDK Tag, Strep Tag. |
| Application: | ELISA, Cryogenic electron microscopy (cryo-EM), Immunogen (Imm), Phage Display (PhD), Surface Plasmon Resonance (SPR) |

Product Details

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| Purpose: | Human GRIK4-Strep full length protein-synthetic nanodisc |
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Target Details

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| Target: | GRIK4 |
| Alternative Name: | GRIK4 (GRIK4 Products) |
| Background: | <p>EAA1, GRIK, GluK4, GluK4-2, KA1</p> <p>This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by</p> |

Target Details

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| | RefSeq, Sep 2013] |
| Molecular Weight: | The human full length GRIK4-Strep protein has a MW of 107.2 kDa |
| UniProt: | Q16099 |
| Pathways: | Synaptic Membrane |

Application Details

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| Comment: | Advantages: <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 |
| Restrictions: | For Research Use only |

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