

Datasheet for ABIN7597190

## GLRa2 Protein (DYKDDDDK Tag, Strep Tag)



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### Overview

|                               |                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Quantity:                     | 10 µg                                                                                                                 |
| Target:                       | GLRa2                                                                                                                 |
| Origin:                       | Human                                                                                                                 |
| Source:                       | HEK-293 Cells                                                                                                         |
| Protein Type:                 | Synthetic Nanodisc                                                                                                    |
| Purification tag / Conjugate: | This GLRa2 protein is labelled with DYKDDDDK Tag, Strep Tag.                                                          |
| Application:                  | ELISA, Immunogen (Imm), Cryogenic electron microscopy (cryo-EM), Phage Display (PhD), Surface Plasmon Resonance (SPR) |

### Product Details

|          |                                                          |
|----------|----------------------------------------------------------|
| Purpose: | Human GLRA2-Strep full length protein-synthetic nanodisc |
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### Target Details

|                   |                                                                                                                                                                                                                                                                                                             |
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| Target:           | GLRa2                                                                                                                                                                                                                                                                                                       |
| Alternative Name: | GLRA2 ( <a href="#">GLRa2 Products</a> )                                                                                                                                                                                                                                                                    |
| Background:       | <p>GLR</p> <p>The glycine receptor consists of two subunits, alpha and beta, and acts as a pentamer. The protein encoded by this gene is an alpha subunit and can bind strychnine. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2010]</p> |
| Molecular Weight: | The human full length GLRA2-Strep protein has a MW of 52 kDa                                                                                                                                                                                                                                                |

## Target Details

|           |                                   |
|-----------|-----------------------------------|
| UniProt:  | <a href="#">P23416</a>            |
| Pathways: | <a href="#">Synaptic Membrane</a> |

## 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                                                                                                                                                                                                                                              |