

## GLRA1 Protein, Human, Recombinant (His & Myc)

### General Information

|                       |  |
|-----------------------|--|
| Synonyms:             | Glycine receptor subunit alpha-1;GLRA1;Glycine receptor 48 kDa subunit;Glycine receptor strychnine-binding subunit   |
| Protein Construction: | 29-250 aa  |
| Species:              | Human  |
| Expression Host:      | E. coli  |
| Accession:            | P23415   |
| Molecular Weight:     | 33.1 kDa (predicted)   |
| AA Sequence:          | ARSAPKPMSPSDFLDKLMGRTSGYDARIRPNFKGPPVNVSCNIFINSFGSIAETTMDYRVNIFLRQQWNDPRL<br>AYNEYPDDSLDLDP SMLDSIWKPD LFFANEKGAHFHEITDNKLLRISRNGNVLYSIRITLTLACPMDLKNFPM<br>DVQTCIMQLESFGYTMNDLIFEWQEQGAVQVADGLTLPQFILKEEKDLRYCTKHYN TGKFTCIARFH LERQM<br>GY |

### QC Testing

|                      |  |
|----------------------|--|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.  |
| Purity:              | > 90% as determined by SDS-PAGE.   |
| Endotoxin:           | < 1.0 EU/μg of the protein as determined by the LAL method.  |
| Formulation:         | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

## A DRUG SCREENING EXPERT

---

Glycine receptors are ligand-gated chloride channels. Channel opening is triggered by extracellular glycine. Channel opening is also triggered by taurine and beta-alanine. Channel characteristics depend on the subunit composition; heteropentameric channels are activated by lower glycine levels and display faster desensitization. Plays an important role in the down-regulation of neuronal excitability. Contributes to the generation of inhibitory postsynaptic currents. Channel activity is potentiated by ethanol. Potentiation of channel activity by intoxicating levels of ethanol contribute to the sedative effects of ethanol.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481