

## **PRODUCT INFORMATION**

C-Flag&Strep Tag Tag

**Target** GRM7

GLUR7; GPRC1G; MGLU7; MGLUR7; NEDSHBA; **Synonyms** 

PPP1R87

Human GRM7-Strep full length protein-synthetic Description

nanodisc 6~8weeks

**Delivery Uniprot ID** Q14831 **HEK293 Expression Host** 

**Protein Families** Druggable Genome, GPCR, Transmembrane

**Protein Pathways** Neuroactive ligand-receptor interaction

The human full length GRM7-Strep protein has a **Molecular Weight** 

MW of 102.3 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

L-glutamate is the major excitatory

neurotransmitter in the central nervous system, and it activates both ionotropic and metabotropic

glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of

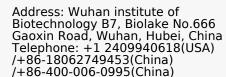
normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors that have been divided into three groups on the basis of

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sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5, and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3, while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities.

Usage Research use only Conjugate Unconjugated





**Background** 

