Delivery



PRODUCT INFORMATION

Target GRM4

Synonyms GPRC1D, MGLUR4, mGlu4

Human GRM4 full length protein-synthetic Description

nanodisc 6~8weeks

Uniprot ID Q14833 **Expression Host HEK293**

Storage & Shipping

Background

Protein Families GPCR, Transmembrane, Druggable Genome,

GPCRDB Class C Metabotropic glutamate pheromone, G-Protein Coupled Receptors **Protein Pathways**

Signaling Pathway,

The human full length GRM4 protein has a MW of **Molecular Weight**

101.9kDa

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. Do not use solvents with pH lower than 6.5 in subsequent experiments. 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.

L-glutamate is the major excitatory neurotransmitter in the central nervous system and 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 3 groups on the basis of 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 link differ in their separate pales the differ in their separate pales their s but differ in their agonist selectivities. Several transcript variants encoding different isoforms have been found for this gene. [provided by

> Email: info@dimabio.com Website: www.dimabio.com

RefSeq, Feb 2012]

Research use only Usage

