

GRM4

Metabotropic glutamate receptor 4

Catalog No.	CSH1069MP	Quantity:	10 mg
	CSH1069PR		50 µg

Alternate Names: Glutamate Metabotropic Receptor 4, GPRC1D, MGLUR4, MGlu4

Description: GRM4 encodes the protein known as Metabotropic glutamate receptor 4 (mGluR4). 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, receptors that have been shown to activate phospholipase C. Group II includes GRM2 and GRM3, while Group III includes GRM4 (this receptor), 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. Activation of GRM4 has potential therapeutic benefits in the treatment of Parkinson's disease.

The receptor is available in the following formats: stable over-expression cell line, membrane preparation, or purified receptor in HEK293 or CHO. Various tagged versions are available.

Gene ID: 2914

UniProtKB: Q14833

Format: Cell line, membrane preparation, or purified protein

Source: HEK 293 or CHO cells

Characterization: Expression verified by flow cytometry. Receptor demonstrates biological activity when tested in a radioligand assay.

Affinity Tag Options: 2S-H: TwinStrep Tag at the amino-terminus, His₁₀ tag at the carboxy-terminus
GFP-S: Strep Tag at the amino-terminus, GFP His₁₀ Tag at the carboxy-terminus

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.