

GRM2/GRM3 (Human) Cell-Based ELISA Kit

Catalog # KA2919

Size 1 Kit

Specification

Product Description	GRM2/GRM3 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of GRM2/GRM3 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — GRM2

Entrez GeneID	2912
Protein Accession#	Q14416 (Gene ID : 2912);Q14832 (Gene ID : 2913)
Gene Name	GRM2
Gene Alias	GLUR2, GPRC1B, MGLUR2, mGlu2
Gene Description	glutamate receptor, metabotropic 2

Omim ID	604099
Gene Ontology	Hyperlink
Gene Summary	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 but differ in their agonist selectivities. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	glutamate metabotropic receptor 2 glutamate receptor homolog

Gene Info — GRM3

Entrez GeneID	2913
Protein Accession#	Q14416 (Gene ID : 2912);Q14832 (Gene ID : 2913)
Gene Name	GRM3
Gene Alias	GLUR3, GPRC1C, MGLUR3, mGlu3
Gene Description	glutamate receptor, metabotropic 3
Omim ID	601115
Gene Ontology	Hyperlink
Gene Summary	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 but differ in their agonist selectivities. [provided by RefSeq]
Other Designations	glutamate metabotropic receptor 3

Pathway

- [Neuroactive ligand-receptor interaction](#)

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Amphetamine-Related Disorders](#)
- [Anoxia](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition](#)
- [Decision Making](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Memory](#)
- [Mental Disorders](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Mood Disorders](#)
- [Neuropsychological Tests](#)
- [Obstetric Labor Complications](#)
- [Problem Solving](#)
- [Psychiatric Status Rating Scales](#)
- [Psychoses](#)
- [Psychoses](#)

- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Schizophrenic Psychology](#)
- [Set \(Psychology\)](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Weight Gain](#)