

Proteoliposomes

Full-Length

GRM2 (Human) Recombinant Protein

Catalog # H00002912-G01

Size 10 ug

Specification

Product Description

Human GRM2 full-length ORF (NP_000830.2) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MGSLALLALLLLWGAVAEGPAKKVLTLEGDLVLGGFLFPVHQQGGPAEDCGPVNEHRGIQRLEA
MLFALDRINRDPHLLPGVRLGAHILDSCSKDTHALEQALDFVRASLSRGADGSRHICPDGSYATH
GDAPTAITGVIGGSYSQVANSLLRLRFQIPQISYASTSAKLSDKSRYDYFARTVPPDFFQAKAMA
EILRFFNWTYVSTVASEGDYGETGIEAFELEARARNICVATSEKVGRAMSRAAFEGVVRALLQKPS
ARVAVLFRSEDARELLAASQRLNASFTWVASDGWGALESVVAGSEGAAGAITIELASYPISDF
ASYFQSLDPWNNRNPNWFREFWEQRFRCFSFRQRDCAHSLRAVPFEQESKIMFVVNAVYAMA
HALHNMHRALCPNTRLCDAMRPVNGRRLYKDFVLNVKFDAPFRPADTHNEVRFDREFGDGIGRY
NIFTYLRAGSGRYRYQKVGYWAEGLTLDTSIPWASPSAGPLPASRCSEPCQNEVKSQVQGEV
CCWLCIPCQPYEYRLDEFTCADCGLYWPNASLTGCFELPQEYIRWGDWAVGPVTIACLGALA
TLFVLGVFVRHNATPVVKASGRELCYLLGGVFLCYCMTFIFIAPSTAVCTLRRLGLGTAFSVCYS
ALLTKTNRIARIFGGAREGAQRPRFISPASQVAICLALISGQLLIVVAWLVEAPGTGKETAPERREV
VTLRCNHRDASMLGSLAYNVLLIALCTLYAFKTRKCPENFNEAKFIGFTMYTTCIWLAFPIFYVTSS
DYRVQTTTMCVSVSLSGSVVLGCLFAPKLHILFQPQKNVVSHPRTSRFGSAAARASSSLGQGS
GSQFVPTVCNGREVVDSTSSL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

95.59999999999999

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — GRM2

Entrez GeneID [2912](#)

GeneBank Accession# [NM_000839.2](#)

Protein Accession# [NP_000830.2](#)

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

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Amphetamine-Related Disorders](#)

- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Psychoses](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)