

Proteoliposomes

Full-Length

GRM8 (Human) Recombinant Protein

Catalog # H00002918-G01

Size 10 ug

Specification

Product Description

Human GRM8 full-length ORF (AAH93725.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MVCEGKRSASCPCFLLTAKFYWILTMMQRTHSQEYAH SIRVDGDIILGGLFPVHAKGERGVPCG
ELKKEKGIHRLEAMLYAIDQINKDPDLLSNITLGVRILDTCSRDTYALEQSLTFVQALIEKDASDVKC
ANGDPPIFTKPKDKISGVIGAAASSVSIMVANILRLFKIPQISYASTAPELSDNTRYDFFSRVVPDSY
QAQAMVDIVTALGWNVSTLASEGNYGESGVEAFTQISREIGGVCAQSQKIPREPRPGEFEKIIR
LLETPNARAVIMFANEDDIRRILEAAKKNQSGHFLWIGSDSWGSKIAPVYQQEEIAEGAVTILPKRA
SIDGFDRYFRSRTLANNRRNVWFAEFWEENFGCKLGSHGKRNSHIKKCTGLERIARDSSYEQEGK
VQFVIDAVYSMAYALHNMHKDLCPGYIGLCPRMSTIDGKELGYRAVNFNGSAGTPVTFNENGDA
PGRYDIFQYQITNKSTEYKVIHWTNQLHLKVEDMQWAHREHTHPASVCSLPCKPGERKKT VKGV
PCCWHCERCEGYNYQVDELSCELCPLDQRPNMNRTGCQLIPKLEWHSPWAVVPVFVAILGIIAT
TFVIVTFVRYNDTPIVRASGRELSYVLLTGIFLCYSITFLMIAAPDTIICSFRRVFLGLGMCFSYAALLTK
TNRIHRIFEQGKKSVTAPKFISPASQLVITFSLISVQLLGVFVWFVVDPPHIIIDYGEQRTLDPEKARG
VLKCDISDLSLCSLGYSILLMVTCTVYAIKTRGVPETFNEAKPIGFTMYTTCIWLAFIPIFFGTAQSAE
KMYQTTTLTVSMLSASVSLGMLYMPKVYIIIFHPEQNVQKRKRSFKAVVTAATMQSKLIQKGNDR
PNGEVKSELCESETNTSSTKTTYISYSNHSI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

101.7

Interspecies Antigen Sequence

Mouse (98); Rat (99)

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 — GRM8

Entrez GeneID [2918](#)

GeneBank Accession# [BC093725.1](#)

Protein Accession# [AAH93725.1](#)

Gene Name GRM8

Gene Alias FLJ41058, GLUR8, GPRC1H, MGC126724, MGLUR8, mGlu8

Gene Description glutamate receptor, metabotropic 8

Omim ID [601116](#)

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. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000024506|glutamate metabotropic receptor 8

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcohol Withdrawal Delirium](#)

- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Colitis](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Heroin Dependence](#)
- [Inflammatory Bowel Diseases](#)
- [Myocardial Infarction](#)
- [NARP](#)
- [Opioid-Related Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)