

Proteoliposomes

Full-Length

GRM3 (Human) Recombinant Protein

Catalog # H00002913-G01

Size 2 ug

Specification

Product Description

Human GRM3 full-length ORF (NP_000831.2) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MKMLTRLQVLTLALFSKGFLSLGDHNLRRREIKIEGDLVLGGLFPINEKGTGTEECGRINEDRGIQR
LEAMLFAIDEINKDDYLLPGVKLGVLHLDTCSDTYALEQSLEFVRASLTKVDEAEYMCPDGSYAIQ
ENIPLLIAGVIGGSYSSVSIQVANLLRLFQIPQISYASTSAKLSKSRDYDFARTVPPDFYQAKAMAEI
LRFFNWTYVSTVASEGDYGETGIEAFEQEARLRNICIATAEKVGRSNIRKSYDSVIRELLQKPNARV
VVLFMRSDDSRILAAASRANASFTWVASDGGWGAQESIIGSEHVAYGATLELASQPVRQFDY
FQSLNPYNNHRNPWFRDFWEQKFQCSLQKNRHRVCDKHLAIDSSNYEQESKIMFVVNAVYA
MAHALHKMQRTLCPNTTKLCDAMKILDGKKLYKDYLLKINFAPFNPKNKADSVKFDTFGDGMGR
YNVFNQNVGGKYSYLKVGHWAEATLSLDVNSIHWSRNSVPTSQCSDPCAPNEMKNMQPGDVC
CWICIPCEPYEYLADEFTCMDGSGQWPTADLTGCYDLPEDYIRWEDAWAIGPVTIACLGFMCTC
MVTVFIKHNNTPLVKASGRELCYLLFGVGLSYCMTFFFIKPSPVICALRRLGLGSSFAICYSALLT
KTNCIARIFDGVKNGAQRPKFISPSSQVFICLGLILVQVMVSVWLILEAPGTRRYTLAEKRETILKC
NVKDSSMLISLTYDVLVILCTVYAFKTRKCPENFNEAKFIGFTMYTTCIWLAFPIFYVTSSDYRVQT
TTMCISVSLSGFVVLGCLFAPKVHILFQPQKNVTHRLHLNRFVSGTGTTYSQSSASTYVPTVCN
GREVLDSTTSSL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

98.90000000000001

Interspecies Antigen Sequence

Mouse (97); Rat (97)

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 — GRM3

Entrez GeneID [2913](#)

GeneBank Accession# [NM_000840.2](#)

Protein Accession# [NP_000831.2](#)

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](#)

Disease

- [Anoxia](#)

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Decision Making](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Memory](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Neuropsychological Tests](#)
- [Obstetric Labor Complications](#)
- [Problem Solving](#)
- [Psychiatric Status Rating Scales](#)
- [Psychoses](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Set \(Psychology\)](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)