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Product Information

MemDX™ Membrane Protein Human GRM5 (Glutamate metabotropic receptor 5) for Antibody Discovery, Partial (19-509aa)

Cat. No.: **MPX0044K**
This product is for research use only and is not intended for diagnostic use.

This product is a 56 kDa Human GRM5 membrane protein. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
GRM5

Protein Length
Partial (19-509aa)

Protein Class
GPCR

Molecular Weight
56 kDa

TMD
7

Sequence
SAQSSERRVVAHMPGDIIIGALFSVHHQPTVD
KVHERKCGAVREQYGIQRVEAMLHTLERINSDPTLLPNITLGCEIRDSCW
HSAVALEQSIEFIRDSLISSEEEEGLVRCVDGSSSSFRSKKPIVGVIGPG
SSSVAIQVQNLLQLFNIPQIAYSATSMDLSDKTLFKYFMRVVPSDAQQAR
AMVDIVKRYNWTYVSAVHTEGNYGESGMEAFKDMSAKEGICIAHSYKIYS
NAGEQSFDKLLKKLTSHLPKARVVACFCEGMTVRGLLMAMRRLGLAGEFL
LLGSDGWADRYDVTDGYQREAVGGITIKLQSPDVKWFDDYYLKLRPETNH
RNPWFQEFWQHRFQCRLEGFPQENSKYNKTCNSSLTLKTHHVQDSKMGFV
INAIYSMAYGLHNMQMSLCPGYAGLCDAMKPIDGRKLLESLMKTNFTGVS
GDTILFDENGDSPGRYEIMNFKEMGKDYFDYINVGSWDNGELKMDDDEVW
SKKSNIIRS

Product Description

Tag
6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 250 μg/mL in PBS.

Endotoxin

<0.1 EU/μg by the LAL method

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

GRM5

Full Name

Glutamate metabotropic receptor 5

Introduction

This gene encodes a member of the G-protein coupled receptor 3 protein family. The encoded protein is a metabatropic glutamate receptor, whose signaling activates a phosphatidylinositol-calcium second messenger system. This protein may be involved in the regulation of neural network activity and synaptic plasticity. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. A pseudogene of this gene has been defined on chromosome 11. Alternative splicing results in multiple transcript variants.

Alternative Names

mGlu5; GPRC1E; MGLUR5; PPP1R86; glutamate receptor, metabotropic 5; protein phosphatase 1, regulatory subunit 86; GRM5; Glutamate metabotropic receptor 5

Gene ID

2915

UniProt ID

P41594