

Recombinant Human GRM2 293 Cell Lysate

Cat. No. GRM2-5736HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for glutamate receptor, metabotropic 2 (GRM2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

GRM2 glutamate receptor, metabotropic 2 [Homo sapiens]

Official Symbol

GRM2

Synonyms

GRM2; glutamate receptor, metabotropic 2; metabotropic glutamate receptor 2; GPRC1B; mGlu2; MGLUR2; glutamate receptor homolog; glutamate metabotropic receptor 2; GLUR2;

Gene ID

2912

mRNA Refseq

NM_000839

Protein Refseq

NP_000830

MIM

604099

UniProt ID

Q14416

**Chromosome
Location**

3

Pathway

Class C/3 (Metabotropic glutamate/pheromone receptors), organism-specific biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class C Metabotropic glutamate, pheromone, organism-specific biosystem;

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Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem;

Function

G-protein coupled receptor activity; calcium channel regulator activity; glutamate receptor activity; group II metabotropic glutamate receptor activity; receptor activity; signal transducer activity;

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