

Recombinant Human GRM4 293 Cell Lysate

Cat. No. GRM4-5734HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for glutamate receptor, metabotropic 4 (GRM4) 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 GRM4 glutamate receptor, metabotropic 4 [Homo sapiens]

Official Symbol GRM4

Synonyms GRM4; glutamate receptor, metabotropic 4; metabotropic glutamate receptor 4; GPRC1D; mGlu4; MGLUR4; MGC177594;

Gene ID 2914

mRNA Refseq NM_000841

Protein Refseq NP_000832

MIM 604100

UniProt ID Q14833

Chromosome Location 6p21.3

Pathway Class C/3 (Metabotropic glutamate/pheromone receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class C Metabotropic glutamate, pheromone, organism-specific biosystem; Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive

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ligand-receptor interaction, conserved biosystem;

Function

G-protein coupled receptor activity; G-protein coupled receptor activity; glutamate receptor activity; receptor activity; signal transducer activity;

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