

Recombinant Human GRM5 293 Cell Lysate

Cat. No. GRM5-5733HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for glutamate receptor, metabotropic 5 (GRM5), transcript variant b 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

GRM5 glutamate receptor, metabotropic 5 [Homo sapiens]

Official Symbol

GRM5

Synonyms

GRM5; glutamate receptor, metabotropic 5; metabotropic glutamate receptor 5; GPRC1E; mGlu5; MGLUR5; metabotropic glutamate receptor 5 variant F; metabotropic glutamate receptor 5 variant G; metabotropic glutamate receptor 5 variant H;

Gene ID

2915

mRNA Refseq

NM_000842

Protein Refseq

NP_000833

MIM

604102

UniProt ID

P41594

Chromosome Location

11q14.3

Pathway

Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class C/3 (Metabotropic glutamate/pheromone receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;

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GPCRs, Class C Metabotropic glutamate, pheromone, organism-specific biosystem;
Gap junction, organism-specific biosystem; Gap junction, conserved biosystem;

Function

A2A adenosine receptor binding; G-protein coupled receptor activity; G-protein
coupled receptor activity; glutamate receptor activity; receptor activity; signal
transducer activity;

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