Recombinant Human GRM8 293 Cell Lysate

Cat. No. GRM8-5731HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for glutamate receptor, metabotropic 8 (GRM8), 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	GRM8 glutamate receptor, metabotropic 8 [Homo sapiens]
Official Symbol	GRM8
Synonyms	GRM8; glutamate receptor, metabotropic 8; metabotropic glutamate receptor 8; GLUR8; GPRC1H; mGlu8; MGLUR8; FLJ41058; MGC126724;
Gene ID	2918
mRNA Refseq	NM_000845
Protein Refseq	NP_000836
MIM	601116
UniProt ID	O00222
Chromosome Location	7q31.3-q32.1
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; GPCRs, Other, organism-specific biosystem; Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem; Neuroactive ligand-receptor

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	interaction, organism-specific biosystem;
Function	G-protein coupled receptor activity; glutamate receptor activity; group III metabotropic glutamate receptor activity; receptor activity; signal transducer activity;

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