Recombinant Human GPR119 293 Cell Lysate

Cat. No. GPR119-5800HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for G protein-coupled receptor 119 (GPR119) 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	GPR119 G protein-coupled receptor 119 [Homo sapiens]
Official Symbol	GPR119
Synonyms	GPR119; G protein-coupled receptor 119; glucose-dependent insulinotropic receptor; GPCR2; hGPCR2; G-protein coupled receptor 2; G-protein coupled receptor 119; MGC119957;
Gene ID	139760
mRNA Refseq	NM_178471
Protein Refseq	NP_848566
MIM	300513
UniProt ID	Q8TDV5
Chromosome Location	Xq26.1
Pathway	Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Regulation of Insulin Secretion, organism-specific biosystem; Synthesis, Secretion, and Inactivation of Glucagon-like Peptide-1 (GLP-1),

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	organism-specific biosystem; Synthesis, Secretion, and Inactivation of Glucose-dependent Insulinotropic Polypeptide (GIP), organism-specific biosystem;
Function	G-protein coupled receptor activity; lipid binding; receptor activity; signal transducer activity;

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