

Recombinant Human GPRC6A 293 Cell Lysate

Cat. No. GPRC6A-5769HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for G protein-coupled receptor, family C, group 6, member A (GPRC6A) 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

GPRC6A G protein-coupled receptor, family C, group 6, member A [Homo sapiens]

Official Symbol

GPRC6A

Synonyms

GPRC6A; G protein-coupled receptor, family C, group 6, member A; G-protein coupled receptor family C group 6 member A; bA86F4.3; hGPCR33; hGPRC6A; predicted with SOSUI analysis; G-protein coupled receptor GPCR33; seven transmembrane helix receptor; GPCR;

Gene ID

222545

mRNA Refseq

NM_148963

Protein Refseq

NP_683766

MIM

613572

UniProt ID

Q5T6X5

Chromosome Location

6q22.31

Pathway

Class C/3 (Metabotropic glutamate/pheromone receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-

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specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;

Function

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

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