

Recombinant Human GPBAR1 293 Cell Lysate

Cat. No. GPBAR1-5814HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description Antigen standard for G protein-coupled bile acid receptor 1 (GPBAR1), transcript variant 3 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 [GPBAR1 G protein-coupled bile acid receptor 1 \[Homo sapiens \]](#)

Official Symbol GPBAR1

Synonyms BG37; TGR5; M-BAR; GPCR19; GPR131

Gene ID [151306](#)

mRNA Refseq [NM_170699.2](#)

Protein Refseq [NP_733800.1](#)

MIM [610147](#)

UniProt ID [Q8TDU6](#)

Chromosome Location 2q35

Pathway Class A/1 (Rhodopsin-like receptors), organism-specific biosystem;G alpha (s) signalling events, organism-specific biosystem;GPCR downstream signaling, organism-specific biosystem;GPCR ligand binding, organism-specific biosystem;Signal Transduction, organism-specific biosystem;Signaling by GPCR, organism-specific biosystem;

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Function

G-protein coupled receptor activity;

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