

Recombinant Human RXFP2 293 Cell Lysate

Cat. No. RXFP2-2099HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for relaxin/insulin-like family peptide receptor 2 (RXFP2), 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

[RXFP2 relaxin/insulin-like family peptide receptor 2 \[Homo sapiens \]](#)

Official Symbol

RXFP2

Synonyms

RXFP2; relaxin/insulin-like family peptide receptor 2; leucine rich repeat containing G protein coupled receptor 8 , LGR8; relaxin receptor 2; GPR106; GREAT; INSL3R; RXFPR2; G-protein coupled receptor 106; relaxin family peptide receptor 2; G protein coupled receptor affecting testicular descent; G-protein coupled receptor affecting testicular descent; leucine-rich repeat-containing G protein-coupled receptor 8; leucine-rich repeat-containing G-protein coupled receptor 8; LGR8; LGR8.1;

Gene ID

[122042](#)

mRNA Refseq

[NM_001166058](#)

Protein Refseq

[NP_001159530](#)

MIM

[606655](#)

UniProt ID

[Q8WXD0](#)

Chromosome Location

13q12.3

Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s)

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signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

Function

G-protein coupled receptor activity; peptide hormone binding; receptor activity; signal transducer activity;

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