

Recombinant Human RXFP2 293 Cell Lysate

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

SPECIFICATION

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.
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

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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) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;

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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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