

Recombinant Human LPHN1 cell lysate

Cat. No. LPHN1-1029HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes a member of the latrophilin subfamily of G-protein coupled receptors (GPCR). Latrophilins may function in both cell adhesion and signal transduction. In experiments with non-human species, endogenous proteolytic cleavage within a cysteine-rich GPS (G-protein-coupled-receptor proteolysis site) domain resulted in two subunits (a large extracellular N-terminal cell adhesion subunit and a subunit with substantial similarity to the secretin/calcitonin family of GPCRs) being non-covalently bound at the cell membrane. Latrophilin-1 has been shown to recruit the neurotoxin from black widow spider venom, alpha-latrotoxin, to the synapse plasma membrane. Alternative splicing results in multiple variants encoding distinct isoforms
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	LPHN1 latrophilin 1 [Homo sapiens]
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Official Symbol	LPHN1
Synonyms	LPHN1; latrophilin 1; latrophilin-1; C1RL1; KIAA0821; LEC2; C1RL-1; lectomedin-2; calcium-independent alpha-latrotoxin receptor 1; CL1;
Gene ID	22859
mRNA Refseq	NM_001008701
Protein Refseq	NP_001008701
UniProt ID	O94910
Chromosome Location	19p13.2
Pathway	GPCRs, Class B Secretin-like, organism-specific biosystem;
Function	G-protein coupled receptor activity; latrotoxin receptor activity; receptor activity; signal transducer activity; sugar binding; toxin binding;

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