Recombinant Full Length Human LPHN1 Protein, GST-tagged

Cat. No. LPHN1-5990HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LPHN1 full-length ORF (AAH19928, 1 a.a. - 201 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	201 amino acids
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
Molecular Mass	47.85 kDa
AA Sequence	MGLASHLERLMAEGKWGGTGVVEGMGMAEEGAGNGKAVWGMGRGKGERSPSL SSTFPQGRRSQVPGLGSGHPCSGRLDPKSQTPEAPGSGCVLSTCPGPLLSSLSGQ PPQPPSLNSRGSIAPGHPSPAPALPFPQRWPLHLCSDLSPSLCPSFSHKCHEFSNIF

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	GSQPAAAMNFVGLRGRGSRKELGGRGQVGGWRDPFCC
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	LPHN1 latrophilin 1 [Homo sapiens]
Official Symbol	LPHN1
Synonyms	LPHN1; latrophilin 1; latrophilin-1; CIRL1; KIAA0821; LEC2; CIRL-1; lectomedin-2; calcium-independent alpha-latrotoxin receptor 1; CL1;
Gene ID	22859
mRNA Refseq	NM_001008701
Protein Refseq	NP_001008701
MIM	616416
UniProt ID	O94910

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