

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 SSTFPQGRRSQVPGLGSGHPCSGRLDPKSQTPEAPGSGCVLSTCPGPLLSSLGQ 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; 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

MIM

616416

UniProt ID

O94910

 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