

Recombinant Human LPHN1 Protein

Cat. No. LPHN1-4720H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LPHN1 full-length ORF (AAH19928.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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
Form	Liquid
Molecular Mass	20.8 kDa
AA Sequence	MGLISHLERLMAEGKWGGTGVVEGMGMAEEGAGNGKAVWGMGRGKGERSPSLS STFPQGRRSQVPGLGSGHPCSGRLDPKSQTPEAPGSGCVLSTCPGPLLSSLSGQP PQPPSLNSRGSIAPGHPSAPALPFPQRWPLHLCSLSPSLCPSFSHKCHEFSNIFG SQPAAAMNFVGLRGRGSRKELGGRGQVGGWRDPFCC

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Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
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	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
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
UniProt ID	O94910

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