

Human Latrophilin-3 (LPHN3) ELISA Kit | LPHN3 elisa kit

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CATALOG #
AAA331935

REACTIVITY
Human

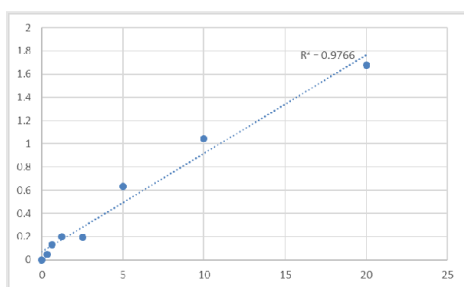
PRODUCT SYNONYMS

Latrophilin-3 (LPHN3); Human Latrophilin-3 (LPHN3) ELISA Kit; LPHN3; C1RL3; LEC3; calcium-independent alpha-latrotoxin receptor 3; latrophilin homolog 3 (cow); lectomedin 3; LPHN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Latrophilin-3 (LPHN3) ELISA Kit has high sensitivity and excellent specificity for detection of Human LPHN3. No significant cross-reactivity or interference between Human LPHN3 and analogues was observed.
Sequence Length	1469
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Latrophilin-3 (LPHN3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LPHN3 elisa kit	Description: This Human Latrophilin-3 (LPHN3) ELISA Kit employs a two-site sandwich ELISA to quantitate LPHN3 in samples. An antibody specific for LPHN3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LPHN3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LPHN3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LPHN3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Latrophilin-3 is 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 3forms a heterodimer, consisting of a large extracellular region (p120) non-covalently linked to a seven-transmembrane moiety (p85)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	163792198
NCBI GeneID	23284
NCBI Accession #	NP_056051.2
NCBI GenBank Nucleotide #	NP_056051.2
UniProt Accession #	Q9HAR2
NCBI Official Full Name	adhesion G protein-coupled receptor L3 isoform 2
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor L3
NCBI Official Symbol	ADGRL3
NCBI Official Synonym Symbols	CL3; LEC3; CIRL3; LPHN3
NCBI Protein Information	adhesion G protein-coupled receptor L3
UniProt Protein Name	Latrophilin-3
UniProt Gene Name	LPHN3
UniProt Synonym Gene Names	KIAA0768; LEC3; CIRL-3
UniProt Entry Name	LPHN3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.