Human Disks large-associated protein 5 (DLGAP5) ELISA Kit

Catalog No: #EK10605

Package Size: #EK10605-1 48T #EK10605-2 96T

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Description

Product Name	Human Disks large-associated protein 5 (DLGAP5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DLG7; HURP; KIAA0008; Drosophila discs large-1 tumor suppressor-like|discs large homolog 7|discs; large homolog 7|hepatoma up-regulated protein
Accession No.	Q15398
Uniprot	Q15398
GeneID	9787;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.113 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate DLGAP5 in samples. An antibody specific for DLGAP5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDLGAP5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DLGAP5 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 DLGAP5 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DLG7 is a kinetochore protein that stabilizes microtubules in vicinity of chromosomes. DLG7 controls spindle dynamics, promotes interkinetochore tension and efficient kinetochore capture. DGL7 is a part of Ran-dependent complex. Stabilization of DGL7 in cell occurs due to phosphorylation by Aurora A kinase. Expression of DGL7 is found in cancer and stem cells. The sequences of the remaining 20 genes were entirely new, and characteristic protein motifs or domains were identified in 32 genes. Other sequence features noted were that the coding sequences of 23 genes were followed by relatively long stretches of 3'-untranslated sequences and that 5 genes contained repetitive sequences in their 3'-untranslated regions. The chromosomal location of these genes has been determined.

Note: This product is for in vitro research use only