

Recombinant Human LLGL1

Cat. No. LLGL1-28095TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Lgl1 with an N terminal proprietary tag; Predicted MW 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a protein that is similar to a tumor suppressor in Drosophila. The protein is part of a cytoskeletal network and is associated with nonmuscle myosin II heavy chain and a kinase that specifically phosphorylates this protein at serine residues. The gene is located within the Smith-Magenis syndrome region on chromosome 17.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed in brain, kidney, and muscle but is barely seen in heart and placenta. Down-regulated or lost in all cell lines and in most of the tumor samples analyzed. Loss was associated with advanced stage of the disease.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GIASCVFTRHGQGFFYLISPSEFERFSLSARNITEPLCSLDINWPRDATQASYRIRESP KLSQANGTPSILLAPQSLDGSPDPAHSMGPDTPPEPEAALSP
Sequence Similarities	Belongs to the WD repeat L(2)GL family.Contains 14 WD repeats.

GENE INFORMATION

Gene Name	LLGL1 lethal giant larvae homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	LLGL1
Synonyms	LLGL1; lethal giant larvae homolog 1 (Drosophila); DLG4, HUGL, HUGL 1, lethal giant larvae (Drosophila) homolog 1 , LLGL; lethal(2) giant larvae protein homolog 1;
Gene ID	3996
mRNA Refseq	NM_004140
Protein Refseq	NP_004131
MIM	600966
Uniprot ID	Q15334
Chromosome Location	17p11.2

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Pathway	Tight junction, organism-specific biosystem; Tight junction, conserved biosystem;
Function	protein binding; protein kinase binding; structural molecule activity;

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