

Recombinant Human DLG5 protein, His & T7-tagged

Cat. No. DLG5-7832H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DLG5 aa. (Asp1722~Asn1905 (Accession # Q8TDM6)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp1722~Asn1905
Description	This gene encodes a member of the family of discs large (DLG) homologs, a subset of the membrane-associated guanylate kinase (MAGUK) superfamily. The MAGUK proteins are composed of a catalytically inactive guanylate kinase domain, in addition to PDZ and SH3 domains, and are thought to function as scaffolding molecules at sites of cell-cell contact. The protein encoded by this gene localizes to the plasma membrane and cytoplasm, and interacts with components of adherens junctions and the cytoskeleton. It is proposed to function in the transmission of extracellular signals to the cytoskeleton and in the maintenance of epithelial cell structure. Alternative splice variants have been described but their biological nature has not been determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Characteristic	The isoelectric point is 8.9.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	DLG5 discs large MAGUK scaffold protein 5 [Homo sapiens (human)]
Official Symbol	DLG5
Synonyms	DLG5; discs large MAGUK scaffold protein 5; PDLG; LP-DLG; P-DLG5; disks large homolog 5; discs large protein LP-DLG; discs large protein P-dlg; discs, large homolog 5; large type of P-DLG; placenta and prostate DLG

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Gene ID	9231
mRNA Refseq	NM_004747.3
Protein Refseq	NP_004738.3
UniProt ID	Q8TDM6

SDS-PAGE

