

Recombinant Human DLG1 Protein, His-tagged

Cat. No. DLG1-1344H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DLG1 Protein (Ala686-Leu904) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala686-Leu904
Description	This gene encodes a multi-domain scaffolding protein that is required for normal development. This protein may have a role in septate junction formation, signal transduction, cell proliferation, synaptogenesis and lymphocyte activation. A multitude of transcript variants deriving from alternative splicing and the use of multiple alternate promoter have been observed, including some splice variants that may be specific to brain and other tissues. An upstream uORF may regulate translation at some splice variants of this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.2 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	DLG1 discs, large homolog 1 (Drosophila) [Homo sapiens (human)]
Official Symbol	DLG1
Synonyms	DLG1; discs, large homolog 1 (Drosophila); discs, large (Drosophila) homolog 1; disks large homolog 1; discs large homolog 1; dJ1061C18.1.1; DLGH1; hdlg; presynaptic protein SAP97; SAP 97; SAP97; synapse associated protein 97; synapse-associated protein 97; SAP-97; DKFZp761P0818; DKFZp781B0426;
Gene ID	1739
mRNA Refseq	NM_001098424
Protein Refseq	NP_001091894
MIM	601014

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UniProt ID

Q12959

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