

Recombinant Rat Dlg1 Protein, His-tagged

Cat. No. Dlg1-1345R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Dlg1 Protein (Ala686-Ala907) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala686-Ala907
Description	Enables several functions, including PDZ domain binding activity; ionotropic glutamate receptor binding activity; and kinesin binding activity. Involved in several processes, including cell adhesion; neurotransmitter receptor localization to postsynaptic specialization membrane; and positive regulation of potassium ion transport. Located in several cellular components, including basolateral plasma membrane; lateral plasma membrane; and paranode region of axon. Is active in glutamatergic synapse and postsynaptic density, intracellular component. Biomarker of Parkinson's disease. Human ortholog(s) of this gene implicated in invasive ductal carcinoma. Orthologous to human DLG1 (discs large MAGUK scaffold protein 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.4 kDa Accurate Molecular Mass: 29 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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) [Rattus norvegicus (Norway rat)]
Official Symbol	Dlg1
Synonyms	DLG1; discs, large homolog 1 (Drosophila); disks large homolog 1; SAP-97; synapse-associated protein 97; Drosophila discs-large tumor suppressor homologue (synapse associated protein); Dlgh1; SAP97;
Gene ID	25252
mRNA Refseq	NM_012788
Protein Refseq	NP_036920
UniProt ID	Q62696

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