

RP01106

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Recombinant Human PSD-95/DLG4 Protein

Catalog No.: RP01106

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
<I>E. coli</I>	1742	P78352

Tags

N-His

Synonyms

DLG4;PSD95;SAP-90;SAP90; SAP-90; SAP90

Product Information

Source

<I>E. coli</I>

Purification

> 95% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This protein is a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes with another MAGUK protein, DLG2, and is recruited into NMDA receptor and potassium channel clusters. These two MAGUK proteins may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins. Multiple transcript variants encoding different isoforms have been found for this gene.

Basic Information

Description

Recombinant Human PSD-95/DLG4 Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Met1-Leu724) of human PSD-95/DLG4 (Accession #P78352) fused with a 6×His tag at the N-terminus.

Bio-Activity

Storage

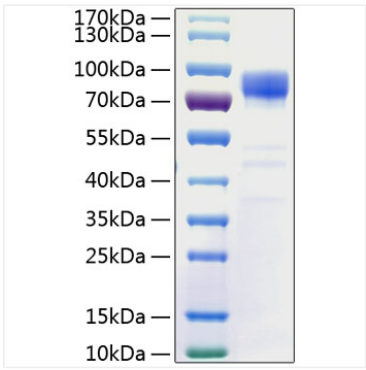
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human
SAP-90/PSD-95/DLG4 Protein was
determined by SDS-PAGE with
Coomassie Blue, showing a band at
110 kDa.