Recombinant Human SAP-90/PSD-95/DLG4 Protein

Catalog No.: RP01106 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	1742	P78352

Tags
N-His

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

Product Information

Source	Purification
E. coli	> 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 votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

www.abclonal.com

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.

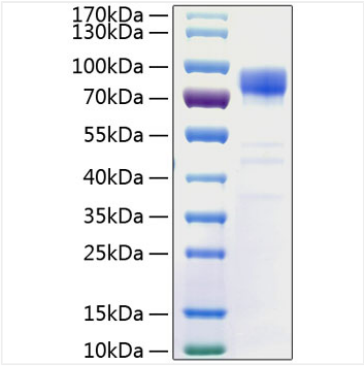
Basic Information

Description
Recombinant Human SAP-90/PSD-95/DLG4 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Leu724) of human Disks Large Homolog 4 (Accession #P78352) fused with a 6×His tag at the N-terminus.

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
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.

Validation Data



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