Recombinant Human PSD-95/DLG4 Protein

Catalog No.: RP01106

Sequence Information

Species
Human

Gene ID
1742

Swiss Prot
P78352-1

Tags
N-6his

Synonyms
DLG4, PSD95, Disks large homolog 4

Product Information

Source
E. coli

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
81.32 kDa

Observed MW
110 kDa

Endotoxin
< 0.1 EU per μg of the protein as determined by the LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4), 1mM DTT.

Reconstitution
Centrifuge the vial 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 stablizer (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 E. coli cells expression system. The target protein is expressed with sequence (Met1-Leu724) of Human PSD-95/DLG4 (Accession #P78352-1) fused with a His tag at the N-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data

No validation data available.