

Recombinant Human DLG4 Protein (WT), N-6xHis tagged

Cat. No. DLG4-33H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDZ2 (WT) Protein with N-6xHis tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes 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.
Molecular Mass	25 kDa as estimated in SDS-PAGE under reducing conditions.
AA Sequence	MWGSHHHHHHGMASMTGGQQMGRDLYDDVDKDRWGSKVGYGCKKRRQRRRG GSTMSPGYPDVDPYAGSMAGTGLDKEAGSIVRLYVMRRKPPAEKVMEIKIIGHKGL GFSIAGGVGNQHIPGDNSIYVTKIIEGGAALKDGRLQMGDKILAVNSVGVEDVMHED AVAAVKNTYDVVYLKVAKPSNAYLSDRYVPPDITTSYSQHLNEISHSSYLGTDYPTA MTPTSPRR
Endotoxin	< 0.1 EU/μg
Purity	> 95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store it under sterile conditions at -20 to -80 centigrade upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid freeze/thaw cycles.

Storage Buffer 50mMTris-HCl, pH8.0, 200mMNaCl, 20 % glycerol.

GENE INFORMATION

Gene Name [DLG4 discs large MAGUK scaffold protein 4 \[Homo sapiens \(human\) \]](#)

Official Symbol [DLG4](#)

Synonyms DLG4; discs large MAGUK scaffold protein 4; MRD62; PSD95; SAP90; SAP-90; disks large homolog 4; Tax interaction protein 15; discs large homolog 4; post-synaptic density protein 95; synapse-associated protein 90

Gene ID [1742](#)

mRNA Refseq [NM_001365](#)

Protein Refseq [NP_001356](#)

MIM [602887](#)

UniProt ID [B9EGL1](#)

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