

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

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

SPECIFICATION

Product Overview	Recombinant Human PDZ2 (WT) Protein with N-6×His 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 GSTMSGYPYDVPDYAGSMAGTGLDKEAGSIVRLYVMRRKPPAEKVMEIKIIGHKGL GFSIAGGVGNQHIPGDNSIYVTKIIEGGAALKDGRLQMGDKILAVNSVGVEDVMHED AAAVKNTYDVVYLKVAKPSNAYLSDRYVPPDITTSYSQHLNEISHSSYLGTDYPTA MTPTSPRR
Endotoxin	< 0.1 EU/μg
Purity	> 95 % as determined by SDS-PAGE

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

Gene Name	DLG4 discs large MAGUK scaffold protein 4 [Homo sapiens (human)]
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Official Symbol	DLG4
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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
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Gene ID	1742
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mRNA Refseq	NM_001365
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Protein Refseq	NP_001356
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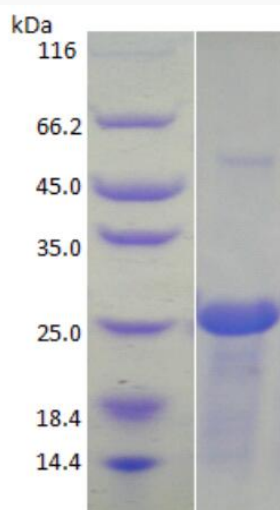
MIM	602887
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UniProt ID	B9EGL1
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SDS-PAGE

15 % reducing SDS-PAGE analysis of purified PDZ2 WT.

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