



# Recombinant Mouse Disks large homolog 4 (Dlg4)

<b>Product Code</b>	CSB-YP730775MO
<b>Abbreviation</b>	Dlg4
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q62108
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDCLCIVTTK KYRYQDEDTP PLEHSPAHLN NQANSPPVIV NTDLEAPGY ELQVNGTEGE MEYEEITLER GNSGLGFSIA GGTDNPHIGD DPSIFITKII PGGAAQDGR LRVNDSILFV NEVDVREVTH SAAVEALKEA GSIVRLYVMR RKPPAEKIIIE IKLIKGPKGL GFSIAGGVGN QHIPGDNSIY VTKIEGGAA HKDGRLLQIGD KILAVNSVGL EDVMHEDAVA ALKNTYDVVY LKVAKPSNAY LSDSYAPPDI TTSYSQHLDN EISHSSYLGT DYPTAMTPTS PRRYSPVAKD LLGEEDIPRE PRRIVIHRS TGLGFNIVGG EDGEGIFISF ILAGGPADLS GELRKGDKIL SVNGVDLRNA SHEQAAIALK NAGQVTIIA QYKPEEYSRF EAKIHDLREQ LMNSSLGSGT ASLRSNPKRG FYIRALFDYD KTKDCGFLSQ ALSFHFGDVL HVIDASDEEW WQARRVHSDS ETDDIGFIPS KRRVERREWS RLKAKDWGSS SGSQGREDSV LSYETVTQME VHYPRIIIL GPTKDRANDD LLSEFPDKFG SCVPHTRPK REYEIDGRDY HFVSSREKME KDIQAHKFIE AGQYNHLYG TSVQSVREVA EQGKHCILDV SANAVRRLQA AHLHPAIFI RPRSLNVLE INKRITTEQA RKAFFDRATKL EQEFTECFSA IVEGDSFEEI YHKVKRVID LSGPYIWPVA RERL
<b>Source</b>	Yeast
<b>Target Names</b>	Dlg4
<b>Protein Names</b>	Recommended name: Disks large homolog 4 Alternative name(s): Postsynaptic density protein 95 Short name= PSD-95 Synapse-associated protein 90 Short name= SAP-90 Short name= SAP90
<b>Expression Region</b>	1-724
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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