



# Recombinant Human Disks large homolog 4 (DLG4)

<b>Product Code</b>	CSB-EP006938HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P78352
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MDCLCIVTTK KYRYQDEDTP PLEHSPAHL P NQANSPPVIV NTDLTLEAPGY            ELQVNGTEGE MEYEEITLER GNSGLGFSIA GGTDNPHIGD DPSIFITKII            PGGAAAQDGR LRVNDSILFV NEVDVREVTH SAAVEALKEA GSIVRLYVMR            RKPPAEKVME IKLIKGPKGL GFSIAGGVGN QHIPGDNSIY VTKIIEGGAA            HKDGRQLQIGD KILAVNSVGL EDMHEDAVA ALKNTYDVVY LKVAKPSNAY            LSDSYAPPDI TTSYSQHLDN EISHSSYLGT DYPTAMTPTS PRRYSPVAKD            LLGEEDIPRE PRRIVIHRS TGLGFNIVGG EDGEGIFISF ILAGGPADLS            GELRKGDQIL SVNGVDLRNA SHEQAAIALK NAGQTVTIIA QYKPEEYSRF            EAKIHDREQ LMNSSLGSGT ASLRSNPKRG FYIRALFDYD KTKDCGFLSQ            ALSFRFGDVL HVIDASDEEW WQARRVHSDS ETDDIGFIPS KRRVERREWS            RLKAKDWGSS SGSQGREDSV LSYETVTQME VHYPRIIIL GPTKDRANDD            LLSEFPDKFG SCVPHTTRPK REYEIDGRDY HFVSSREKME KDIQAHKFIE            AGQYNSHLYG TSVQSVREVA EQGKHCILDV SANAVRRLQA AHLHPIAIFI            RPRSLNVLE INKRITEEQA RKAQFRATKL EQEFTECFSA IVEGDSFEEI            YHKVKRVID LSGPYIWPVPA RERL</p>
<b>Source</b>	E.coli
<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**

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.