



Recombinant Rat Disks large homolog 4 (Dlg4)

Product Code	CSB-EP006938RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P31016
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	<p>MDCLCIVTTK KYRYQDEDTP PLEHSPAHL P NQANSPPVIV NTDLEAPGY ELQVNGTEGE MEYEEITLER GNSGLGFSIA GGTDNPHIGD DPSIFITKII PGGAAAQDGR LRVNDSILFV NEVDVREVTH SAAVEALKEA GSIVRLYVMR RKPPAEKVME IKLIKGPKGL GFSIAGGVGN QHIPGDNSIY VTKIIEGGAA HKDGR LQIGD KILAVNSVGL EDMHEDAVA ALKN TYDVVY LKVAKPSNAY LSDSYAPPDI TTSYSQHLDN EISHSSYLGT DYPTAMTPTS PRRYSPVAKD LLGEEDIPRE PRRIVIHRS TGLGFNIVGG EDGE GIFISF ILAGGPADLS GELRKGDQIL SVNGVDLRNA SHEQAAIALK NAGQTVTIIA QYKPEEYSRF EAKIHDLREQ LMNSSLGSGT ASLRSNPKRG FYIRALFDYD KTKDCGFLSQ ALSFRFGDVL HVIDAGDEEW WQARRVHSDS ETDDIGFIPS KRRVERREWS RLKAKDWGSS SGSQGREDSV LSYETVTQME VH YARPIIIL GPTKDRANDD LLSEFPDKFG SCVPHTTRPK REYEIDGRDY HFVSSREKME KDIQAHKFIE AGQYN SHLYG TSVQSVREVA EQGKHCILDV SANAVRRLQA AHLHPAIFI RPR SLENVLE INKRIT EEQA RKA FDRATKL EQEFTECFSA IVEGDSFEEI YHKVKRVID LSGPYIWVPA RERL</p>
Source	E.coli
Target Names	Dlg4
Protein Names	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
Expression Region	1-724
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
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.

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.