

Recombinant Human DLG3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DLG3-2340H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DLG3 MS Standard C13 and N15-labeled recombinant protein (NP_066943) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the membrane-associated guanylate kinase protein family. The encoded protein may play a role in clustering of NMDA receptors at excitatory synapses. It may also negatively regulate cell proliferation through interaction with the C-terminal region of the adenomatosis polyposis coli tumor suppressor protein. Mutations in this gene have been associated with X-linked cognitive disability. Alternatively spliced transcript variants have been described.
Molecular Mass	90.3 kDa
AA Sequence	MHKHQHCKCPECYEVTRLAALRRLEPPGYGDWQVPDPYGPGGGNGASAGYGG YSSQTLPSQAGATPTPRTKAKLIPTGRDVGVPVPPKPVPGKSTPKLNGSGPSWWPEC TCTNRDWYEQVNGSDGMFKYEEIVLERGNSGLGFSIAGGIDNPHVPDDPGIFITKIIP GGAAAMDGRLGVNDCVLRVNEVDVSEVVHSRAVEALKEAGPVVRLVRRRQPPPE TIMEVNLLKGPKGLGFSIAGGIGNQHIPGDNSIYITKIIEGGAAQKDGRLLQIGDRLLAVN NTNLQDVRHEEAVASLKNTSDMVYLKVAKPGSLHLNDMYAPPDYASTFTALADNHIS HNSSLGYLGAVESKVSYPAPPQVPPTRYSPIPRHMLAEEDFTREPRKIILHKGSTGL

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GFNIVGGEDGEGIFVSFILAGGPADLSGELRRGDRILSVNGVNLRNATHEQAAAALK
 RAGQSVTIVAQYRPEEYSRFESKIHDLREQMMNSSMSSGSGSLRTSEKRSLYVRAL
 FDYDRTRDSCLP SQGLSFSYG DILHVINASDDEWWQARLVTPHGESEQIGVIPSKKR
 VEKKERARLKT VKFHARTGMIESNRDFPGLSDDYYGAKNLKGQEDAILYEPVTRQE
 IHYARPVII LGPMKDRVNDLISEFPHKFGSCVPHTTRPRRDNEVDGQDYHFVVSRE
 QMEKDIQDNKFIEAGQFNDNLYGTSIQSVRAVAERGKHCILDVSGNAIKRLQQAQLY
 PIAIFIKPKSIEALMEMNRRQTYEQANKIYDKAMKLEQEFGEYFTAIVQGDSLEEIYNKI
 KQIIEDQSGHYIWVPSPEKLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name **DLG3** discs large MAGUK scaffold protein 3 [Homo sapiens (human)]

Official Symbol **DLG3**

Synonyms DLG3; discs, large homolog 3 (Drosophila); discs, large homolog 3 (neuroendocrine dlg, Drosophila); disks large homolog 3; KIAA1232; MRX90; NE Dlg; NEDLG; neuroendocrine dlg; SAP 102; SAP102; neuroendocrine-DLG; synapse-associated protein 102; MRX; XLMR;

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Gene ID	1741
mRNA Refseq	NM_021120
Protein Refseq	NP_066943
MIM	300189
UniProt ID	Q92796
SDS-PAGE	