DLG3 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	DLG3, Blocking Peptide
Full Product Name	DLG3 Peptide - middle region
Product Gene Name	DLG3 blocking peptide
Product Synonym Gene Name	KIAA1232; MRX; MRX90; NE-Dlg; NEDLG; SAP102; XLMR
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	DLG3 peptide (MBS3231964) is used for blocking the activity of DLG3 antibody (MBS3206998)
Molecular Weight	90kDa
OMIM	U49089 mRNA
Product Categories/Family for DLG3 blocking peptide	Peptide
Applications Tested/Suitable for DLG3 blocking peptide	Western Blot (WB)
Related Product Information for DLG3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-DLG3 antibody made Target Description: DLG3 is required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling. Defects in DLG3 are the cause of mental retardation X-linked type 90 (MRX90).
Other Notes	Small volumes of DLG3 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DLG3 purchase	MBS3231964 is a blocking peptide targeting DLG3. Also known as DLG3 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DLG3. It may not necessarily be applicable to this product.

NCBI GI #	119943106
NCBI GeneID	1741
NCBI Accession #	NP_066943
UniProt Primary Accession #	Q92796
UniProt Related Accession #	Q92796
GenBank Nucleotide #	NM_021120
NCBI Official Full Name	disks large homolog 3 isoform a
NCBI Official Synonym Full Names	discs large MAGUK scaffold protein 3
NCBI Official Symbol	DLG3
NCBI Official Synonym Symbols	MRX; XLMR; MRX90; NEDLG; SAP102; PPP1R82

UniProt Protein Name	Disks large homolog 3
UniProt Synonym Protein Names	Neuroendocrine-DLG; Synapse-associated protein 102; SAP-102; SAP102; XLMR
Protein Family	Disks large
UniProt Gene Name	DLG3
UniProt Synonym Gene Names	KIAA1232; SAP-102; SAP102
NCBI Protein Information	disks large homolog 3
NCBI Summary for DLG3	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. [provided by RefSeq, Oct 2009]
UniProt Comments for DLG3	Required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling.
Research Articles on DLG3	**1.** This family broadens the mutational and phenotypical spectrum of DLG3-associated non-syndromic X-linked intellectual disability and demonstrates that heterozygous female mutation carriers can be as severely affected as males.
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