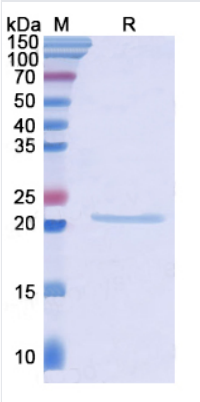
DLG3 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	DLG3, Recombinant Protein
Full Product Name	Recombinant Human DLG3, N-His
Product Gene Name	DLG3 recombinant protein
Product Synonym Names	SAP102; Synapse-associated protein 102; Neuroendocrine-DLG; KIAA1232; DLG3; SAP-102; XLMR; Disks large homolog 3
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	42,112 Da
Sequence Positions	Ala627-Glu802
OMIM	U49089 mRNA
3D Structure	ModBase 3D Structure for Q92796
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for DLG3 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for DLG3 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for DLG3 recombinant protein	MBS1575087 is a recombinant protein targeting DLG3. Also known as Recombinant Human DLG3, N-His. Host: E coli.
Other Notes	Small volumes of DLG3 recombinant protein 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.



SDS-Page of DLG3 recombinant protein
SDS PAGE for recombinant Human DLG3 protein

ADDITIONAL DETAILS

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

NCBI GI #	261862237
NCBI GeneID	1741
NCBI Accession #	NP_001159750.1
UniProt Primary Accession #	Q92796
UniProt Secondary Accession #	Q5JUW6; Q5JUW7; Q9ULI8; B4E0H1; D3DVU5
UniProt Related Accession #	Q92796
GenBank Nucleotide #	NM_001166278.1
NCBI Official Full Name	disks large homolog 3 isoform c
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 mental retardation. 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.** Insertion of a guanine into the DLG3 5' UTR, 7 bp upstream of the start codon, down regulated DLG3 protein levels. This non-coding variant segregates with X-linked intellectual disability in a large family.

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