GRIP1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	GRIP1, Blocking Peptide
Full Product Name	GRIP1 Peptide - C-terminal region
Product Gene Name	GRIP1 blocking peptide
Product Synonym Gene Name	GRIP
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	GRIP1 peptide (MBS3226010) is used for blocking the activity of GRIP1 antibody (MBS3200979)
Molecular Weight	92kDa
OMIM	phenotype 604597
Product Categories/Family for GRIP1 blocking peptide	Peptide
Applications Tested/Suitable for GRIP1 blocking peptide	Western Blot (WB)
Related Product Information for GRIP1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-GRIP1 antibody made Target Description: GRIP1 may play a role as a localized scaffold for the assembly of a multiprotein signaling complex and as mediator of the trafficking of its binding partners at specific subcellular location in neurons.
Other Notes	Small volumes of GRIP1 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 GRIP1 purchase	MBS3226010 is a blocking peptide targeting GRIP1. Also known as GRIP1 Peptide - C-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GRIP1. It may not necessarily be applicable to this product.

NCBI GI #	4539084
NCBI GeneID	23426
NCBI Accession #	CAB39895
UniProt Primary Accession #	Q9Y3R0
UniProt Related Accession #	Q9Y3R0
GenBank Nucleotide #	NM_001178074
NCBI Official Full Name	GRIP1 protein, partial
NCBI Official Synonym Full Names	glutamate receptor interacting protein 1
NCBI Official Symbol	GRIP1
NCBI Official Synonym Symbols	GRIP; FRASRS3

UniProt Protein Name	Glutamate receptor-interacting protein 1
Protein Family	Glutamate receptor-interacting protein
UniProt Gene Name	GRIP1
UniProt Synonym Gene Names	GRIP-1
UniProt Entry Name	GRIP1_HUMAN
NCBI Protein Information	glutamate receptor-interacting protein 1
NCBI Summary for GRIP1	This gene encodes a member of the glutamate receptor interacting protein family. The encoded scaffold protein binds to and mediates the trafficking and membrane organization of a number of transmembrane proteins. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, May 2010]
UniProt Comments for GRIP1	GRIP1: a scaffold protein for the assembly of a multiprotein signaling complex and as mediator of the trafficking of its binding partners at specific locations in neurons. Interacts with EphA7, EphB2, KIF5A, -B, -C, GluR2, -3, GRIPAP1, liprin A1, PPFIA4, FRAS1, and PTPRF. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 12q14.3 Cellular Component: postsynaptic membrane; recycling endosome; neuron projection; endoplasmic reticulum; dendrite; cytoplasmic membrane-bound vesicle; plasma membrane; cytosol; cell junction; lipid raft Molecular Function: protein C-terminus binding; protein binding; receptor signaling complex scaffold activity; androgen receptor binding; transcription coactivator activity; beta-catenin binding; glucocorticoid receptor binding Biological Process: synaptic transmission; protein localization; positive regulation of transcription, DNA-dependent; androgen receptor signaling pathway; dendrite development Disease: Fraser Syndrome
Research Articles on GRIP1	**1.** GRIP1 is phosphorylated at an N-terminal serine cluster by cyclin-dependent kinase-9 (CDK9), which is recruited into GC-induced GR:GRIP1:CDK9 hetero-complexes, producing distinct GRE-specific GRIP1 phospho-isoforms.
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