GEM Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	GEM, Blocking Peptide
Full Product Name	GEM Peptide - middle region
Product Gene Name	GEM blocking peptide
Product Synonym Gene Name	AV020497
Sequence	Synthetic peptide located within the following region: ACAVVFDCKF IETSAAVQHN VKELFEGIVR QVRLRRDSKE KNERRLAYQK
Species Reactivity	Mouse
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	GEM peptide (MBS3248172) is used for blocking the activity of GEM antibody (MBS3223557)
Molecular Weight	32 kDa
Product Categories/Family for GEM blocking peptide	Peptide
Related Product Information for GEM blocking peptide	This is a synthetic peptide designed for use in combination with anti- GEM Antibody, made Target Description: Could be a regulatory protein, possibly participating in receptor-mediated signal transduction at the plasma membrane. Has guanine nucleotide-binding activity but undetectable intrinsic GTPase activity.
Other Notes	Small volumes of GEM 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 GEM purchase	MBS3248172 is a blocking peptide targeting GEM. Also known as GEM Peptide - middle region. Reactive in Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	160298187
NCBI GeneID	14579
NCBI Accession #	NP_034406.2
UniProt Primary Accession #	P55041
UniProt Related Accession #	P55041
GenBank Nucleotide #	NM_010276.4
NCBI Official Full Name	GTP-binding protein GEM
NCBI Official Synonym Full Names	GTP binding protein (gene overexpressed in skeletal muscle)
NCBI Official Symbol	Gem
NCBI Official Synonym Symbols	AV020497

UniProt Protein Name	GTP-binding protein GEM
UniProt Synonym Protein Names	GTP-binding mitogen-induced T-cell protein; RAS-like protein KIR
Protein Family	GLABRA2 expression modulator
UniProt Gene Name	Gem
UniProt Synonym Gene Names	Kir
UniProt Entry Name	GEM_MOUSE
NCBI Protein Information	GTP-binding protein GEM
Research Articles on GEM	**1.** Rad, Gem and Rem all reduce depolarization-dependent Ca2+ entry in developing myotubes.
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