RCAN3 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	RCAN3, Blocking Peptide
Full Product Name	RCAN3 Peptide - middle region
Product Gene Name	RCAN3 blocking peptide
Product Synonym Gene Name	DSCR1L2; MCIP3; RCN3; hRCN3
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	RCAN3 peptide (MBS3230413) is used for blocking the activity of RCAN3 antibody (MBS3205447)
Molecular Weight	27kDa
OMIM	605860
Product Categories/Family for RCAN3 blocking peptide	Peptide
Applications Tested/Suitable for RCAN3 blocking peptide	Western Blot (WB)
Related Product Information for RCAN3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-RCAN3 antibody made Target Description: RCAN3 inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. It could play a role during central nervous system development.
Other Notes	Small volumes of RCAN3 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 RCAN3 purchase	MBS3230413 is a blocking peptide targeting RCAN3. Also known as RCAN3 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RCAN3. It may not necessarily be applicable to this product.

NCBI GI #	7305009
NCBI GeneID	11123
NCBI Accession #	NP_038469
UniProt Primary Accession #	Q9UKA8
UniProt Related Accession #	Q9UKA8
GenBank Nucleotide #	NM_013441
NCBI Official Full Name	calcipressin-3 isoform 1
NCBI Official Synonym Full Names	RCAN family member 3
NCBI Official Symbol	RCAN3
NCBI Official Synonym Symbols	RCN3; MCIP3; hRCN3; DSCR1L2

UniProt Protein Name	Calcipressin-3
UniProt Synonym Protein Names	Down syndrome candidate region 1-like protein 2; Myocyte-enriched calcineurin-interacting protein 3; MCIP3; Regulator of calcineurin 3
Protein Family	Calcipressin
UniProt Gene Name	RCAN3
UniProt Synonym Gene Names	DSCR1L2; MCIP3
UniProt Entry Name	RCAN3_HUMAN
NCBI Protein Information	calcipressin-3
UniProt Comments for RCAN3	RCAN3: Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Could play a role during central nervous system development. Belongs to the RCAN family. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 1p36.11 Molecular Function: RNA binding; troponin I binding Biological Process: anatomical structure morphogenesis; calcium-mediated signaling
Research Articles on RCAN3	**1.** The tumor suppressor effect of RCAN3 in breast cancer depends on the interaction with calcineurin.
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