RCAN3 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	RCAN3, Blocking Peptide
Full Product Name	RCAN3 Antibody (C-term) Blocking Peptide
Product Gene Name	RCAN3 blocking peptide
Product Synonym Gene Name	DSCR1L2
Product Synonym Names	Calcipressin-3; Down syndrome candidate region 1-like protein 2; Myocyte-enriched calcineurin-interacting protein 3; MCIP3; Regulator of calcineurin 3; RCAN3; DSCR1L2
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	RCAN3 peptide (MBS9220751) is used for blocking the activity of RCAN3 antibody (MBS9209126)
Molecular Weight	12,745 Da
OMIM	605860
Tissue Location	Highest expression in heart, skeletal muscle kidney, liver and peripheral blood leukocytes. Lower expression in all other tissues
Related Product Information for RCAN3 blocking peptide	Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Could play a role during central nervous system development (By similarity).
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	MBS9220751 is a blocking peptide targeting RCAN3. Also known as RCAN3 Antibody (C-term) Blocking Peptide.

ADDITIONAL DETAILS

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

NCBI GI #	15213951
NCBI GeneID	11123
NCBI Accession #	Q9UKA8.1
UniProt Primary Accession #	Q9UKA8
UniProt Secondary Accession #	Q5ECL3; Q5TGC6; A4GU14; A4LA69; E3VWE2; E5L4P0; E5L4P7; E7ENV1; E7EWD8; G1FI66; G1FLF0
UniProt Related Accession #	Q9UKA8
NCBI Official Full Name	Calcipressin-3
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 Cellular Component: cytoplasm Molecular Function: calcium-dependent protein serine/threonine phosphatase regulator activity; protein binding; RNA binding; troponin I binding Biological Process: anatomical structure morphogenesis
Research Articles on RCAN3	**1.** The tumor suppressor effect of RCAN3 in breast cancer depends on the interaction with calcineurin.
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