CACNB2 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	CACNB2, Blocking Peptide
Full Product Name	CACNB2 Peptide - middle region
Product Gene Name	CACNB2 blocking peptide
Product Synonym Gene Name	CACNLB2; FLJ23743; MYSB; CAVB2
Sequence	SRKSTPPSSG AKSADEQDQW KTAGLFWRFT TEHTPPYDVV PSMRPVVLVG
Species Reactivity	Human
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	CACNB2 peptide (MBS3227641) is used for blocking the activity of CACNB2 antibody (MBS3202662)
Molecular Weight	71kDa
Product Categories/Family for CACNB2 blocking peptide	Peptide
Applications Tested/Suitable for CACNB2 blocking peptide	Western Blot (WB)
Related Product Information for CACNB2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-CACNB2 Antibody, made Target Description: CACNB2 belongs to the calcium channel beta subunit family.The beta subunit of voltage-dependent calcium channels contributes to the function of the calcium channel by increasing peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting.Defects in CACNB2 are the cause of Brugada syndrome type 4 (BRS4).
Other Notes	Small volumes of CACNB2 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 CACNB2 purchase	MBS3227641 is a blocking peptide targeting CACNB2. Also known as CACNB2 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CACNB2. It may not necessarily be applicable to this product.

NCBI GI #	45359842
NCBI GeneID	783
NCBI Accession #	NP_963891
UniProt Primary Accession #	Q6TME3
UniProt Related Accession #	Q08289
GenBank Nucleotide #	NM_201597
NCBI Official Full Name	voltage-dependent L-type calcium channel subunit beta-2 isoform 4
NCBI Official Synonym Full Names	calcium voltage-gated channel auxiliary subunit beta 2

NCBI Official Symbol	CACNB2
NCBI Official Synonym Symbols	MYSB; CAVB2; CACNLB2
Protein Family	Voltage-dependent L-type calcium channel
NCBI Protein Information	voltage-dependent L-type calcium channel subunit beta-2
NCBI Summary for CACNB2	This gene encodes a subunit of a voltage-dependent calcium channel protein that is a member of the voltage-gated calcium channel superfamily. The gene product was originally identified as an antigen target in Lambert-Eaton myasthenic syndrome, an autoimmune disorder. Mutations in this gene are associated with Brugada syndrome. Alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Feb 2013]
Research Articles on CACNB2	**1.** Data show that an indispensable beta-subunit of the voltage-gated Ca(2+) channel Cav1.2 interaction with H-Ras is independently of Ca(2+) flux, suggesting the regulatory role of beta2 in transcriptional activation via the ERK/CREB pathway.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-blocking-peptide/cacnb2/3227641