



# Recombinant Rat Voltage-dependent L-type calcium channel subunit beta-2 (Cacnb2)

<b>Product Code</b>	CSB-MP837733RA
<b>Abbreviation</b>	Cacnb2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8VGC3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MVQSDTSKSP PIAAVAQESQ MELLESAAPA GALGAQSYGK GARRKNRFGK SDDSTSSDTT SNSFVRQGSA DSYTSRPSDS DVSLEEDREA VRREAERQAQ AQLEKAKTKP VAFVRTNVR YSAAQEDDVP VPGMAISFEA KDFLHVKEKF NNDWWIGRLV KEGCEIGFIP SPVKLENMRL QHEQRAKQGK FYSSKSGGNS SSSLGDIVPS SRKSTPPSSA IDIDATGLDA EENDIPANHR SPKPSANSVT SPHSKEKRMP FFKKTEHTPP YDVVPSMRPV VLVGPSLKG Y EVDMMQKAL FDLKHREFEG RISITRVTAD ISLAKRSVLN NPSKHAIER SNTRSSLAEV QSEIERIFEL ARTLQLVVDL ADTINHPAQL SKTSLAPIIV YVKISSPKVL QRLIKSRGKS QAKHLNVQMV AADKLAQCPP QESFDVILDE NQLEDACEHL ADYLEAYWKA THPPSSNLPN PLLSRTLATS TLPLSPTLAS NSQGSQGDQR TDRSAPRSAS QAEEPCLEP VKKSQHRSSS ATHQNHRSQT GRGLSRQETF DSETQESRDS AYVEPKEDYS HEHVDRYVPH REHNHREESH SSNGHRHREP RHRTRDMGRD QDHNECSKQR SRHKS KDRYC DKEGEVISKR RSEAGEWNRD VYIRQ
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Cacnb2
<b>Protein Names</b>	Recommended name: Voltage-dependent L-type calcium channel subunit beta-2 Short name= CAB2 Alternative name(s): Calcium channel voltage-dependent subunit beta 2
<b>Expression Region</b>	1-655
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a subunit of a voltage-dependent calcium channel protein which 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 which is an autoimmune disorder. Mutations in this gene are associated with Brugada syndrome. Alternatively spliced variants have been identified for this gene.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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