

Product datasheet for TP511721

Cacna2d2 (NM_001174047) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse calcium channel, voltage-dependent, alpha 2/delta subunit 2 (Cacna2d2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211721 representing NM_001174047 Red =Cloning site Green =Tags(s)
	<p>MAVPARTCGASWPGPVRTARPPWPGRGPRPCPDPRGPASGPARPLLLLLPPLLLPLLTAPGASAYSFPQQ HTMQHWARRLEQIDGVMRIFGGVQQLREIYKDNRNLFVQENEPQKLVEKVAGDIESLLDRKVQALKRL ADAAENFQKAHRWQDNIKEEDIMYYDAKADAELDDPESEDMERGSKTSALRLDFIEDPNFKNKVNSYTA VQIPTDIYKGSTVILNELNWTEALENVFIENRRQDPTLLWQVFGSATGVTRYYPATPWRAPKKIDLYDVR RRPWYIQGASSPKDMVIIVDVSGSVSGLTLKLMKTSVCEMLDTLSDDDYVNVASFNEKAQPVSCFTHLVQ ANVRNKKVFKEAVQGMVAKGTTGYKAGFEYAFDQLQNSNITRANCNKMIMMFTDGGEDRVQDVFEEKYNWP NRTVRVFTFSVGQHNYDVTPLQWMACTNKGYYFEIPSIGAIRINTQEYLDVLGRPMVLAGKDAKQVQWTN VYEDALGLGLVVTGTLPVFNLTQDGPGEKKNQLILGVMGIDVALNDIKRLTPNYTLGANGYVFAIDLNGY VLLHPNLKPQTTNFREPVTLDFLDAELEDENKEEIRRSMDGDKGHKQIRTLVKSLDERYIDEVIRNYTW VPIRSTNYSGLVLPYSTYYLQANLSDQILQVKLPISKLKDFEFLLPSSFSEGHVFIAPREYCKDLNA SDNTEFLKNFIELMEKVTPDSKQCNNFLLHNLILDGTGITQQLVERVWRDQDLNTYSLAVFAATDGGIT RVFPNKAEDWTENPEPFNASFYRRSLDNHGYIFKPPHQDSSLRPLELENDTVGVLVSTAVELSLGRRTL RPAVVGKLDLEAWAEKFKVLASNRTHQDQPQKCGPSSHCEMDCEVNEDLLCVLIDDGGFLVLSNQNHQ WDQVGRFFSEVDANLMLALYNNSFYTRKESYDYQAACAPQPPGNLGAAPRGVVFPTIADFLNLAWWTSAA AWSLFQQLLYGLIYHSWFQADPAEAEGSPETRESSCVMKQTQYYFGSVNASYNAIIDCGNCSRLFHAQRL TNTNLLFVVAEKPLCSQCEAGRLLQKETHCPADGPEQCELVQRPRYRRGPHICFDYNATEDTSDCGRGAS FPPSLGVLVSLQLLLLLGLPPRPQPQVHSFAASRHL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	131 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001167518
Locus ID:	56808
UniProt ID:	Q6PHS9
RefSeq Size:	5539
Cytogenetics:	9 58.02 cM
RefSeq ORF:	3468
Synonyms:	a2d2; Cacna2d; du; mKIAA0558; td; torpid
Summary:	The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel. Acts as a regulatory subunit for P/Q-type calcium channel (CACNA1A), N-type (CACNA1B), L-type (CACNA1C OR CACNA1D) and possibly T-type (CACNA1G).[UniProtKB/Swiss-Prot Function]