

## Product datasheet for **RG218315**

### **CAMK2B (NM\_172082) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CAMK2B (NM_172082) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CAMK2B
Synonyms:	CAM2; CAMK2; CAMKB; CaMKIIbeta; MRD54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG218315 representing NM\_172082  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACCACGGTGACCTGCACCCGCTTCACCGACGAGTACCAGCTCTACGAGGATATTGGCAAGGGG  
 CTTTCTCTGTGGTCCGACGCTGTGTCAAGCTCTGCACCGCCATGAGTATGCAGCCAAGATCATCAACAC  
 CAAGAAGCTGTCAGCCAGAGATCACCAGAAGCTGGAGAGAGAGGCTCGGATCTGCCGCCCTCTGAAGCAT  
 TCCAACATCGTGCCTCCACGACAGCATCTCCGAGGAGGGCTTCCACTACCTGGTCTTCGATCTGGTCA  
 CTGGTGGGAGCTCTTTGAAGACATTGTGGCGAGAGAGTACTACAGCGAGGCTGATGCCAGTCACTGTAT  
 CCAGCAGATCCTGGAGGCCGTTCTCCATTGTACCAAATGGGGTTCGTCACAGAGACCTCAAGCCGGAG  
 AACCTGCTCTGGCCAGCAAGTCAAAGGGGCTGCAGTGAAGCTGGCAGACTTCGGCCTAGCTATCGAGG  
 TGCAGGGGACCAGCAGGCATGGTTTGGTTTCGCTGGCACACCAGGCTACCTGTCCCCTGAGGTCTTCCG  
 CAAAGAGCGGTATGGCAAGCCTGTGGACATCTGGGCATGTGGGGTATCCTGTACATCCTGCTCGTGGC  
 TACCCACCTTCTGGGACGAGGACCAGCACAAAGCTGTACCAGCAGATCAAGGCTGGTGCCTATGACTTCC  
 CGTCCCCTGAGTGGGACACCGTCACTCCTGAAGCCAAAAACCTCATCAACCAGATGCTGACCATCAACCC  
 TGCCAAGCGCATCACAGCCATGAGGCCCTGAAGCACCCGTGGGTCTGCCAACGCTCCACGGTAGCATCC  
 ATGATGCACAGACAGGAGACTGTGGAGTGTCTGAAAAAGTTCAATGCCAGGAGAAAGCTCAAGGGAGCCA  
 TCCTCACCACCATGTGGCCACACGGAATTTCTCAGTGGGCGAGACAGACCACCGCTCCGGCCACAATGTC  
 CACCGCGCCTCCGGCACCACCATGGGGCTGGTGAACAAGCCAAGAGTTTACTCAACAAGAAAGCAGAT  
 GGAGTCAAGGAGCCTCAAACCACCGTATCCATAACCCAGTGGACGGGATTAAGGAGTCTTCTGACAGTG  
 CCAATACCACCATAGAGGATGAAGACGCTAAAGCCCGGAAGCAGGAGATCATTAAAGACCAGGAGCAGT  
 CATCGAGGCCGTAACAACGGTGACTTTGAGGCCCTACGCATTCTACTTCGAGAACCCTGCTGGCCAAGAAC  
 AGCAAGCCGATCCACACGACCATCCTGAACCCACACGTGCACGTCATTGGAGAGGATGCCGCTGCATCG  
 CTTACATCCGGCTCACGCAGTACATTGACGGGCAGGGCCGGCCCGCACCAGCCAGTCTGAGGAGACCCG  
 CGTGTGGCACCGCCGCGACGGCAAGTGGCAGAACGTGCACCTTCCACTGCTCGGGCGCGCTGTGGCCCCG  
 CTGCAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG218315 representing NM\_172082  
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MATTVTCTRFDEYQLYEDIGKGAFSVVRRCVKLCTGHEYAALKIINTKKLSARDHQKLEREARICRLLKH  
 SNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIQQILEAVLHCHQMGMVVRDLKPE  
 NLLLASKCKGAAVKLADFLAIEVQGDQQAQWFGFAGTPGYLSPEVLRKEAYGKPVDIWACGVILYILLVG  
 YPPFWDEDQHKLYQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITAHEALKHPWVCQRSTVAS  
 MMHRQETVECLKKFNARRKLGAILTTMLATRNFSVGRQTTAPATMSTAASGTTMGLVEQAKSLLNKKAD  
 GVKEPQTTVIHNPVDGIKSSDSANTTIEDEDAKARKQEIIKTTTEQLIEAVNNGDFEAYAFYFENLLAKN  
 SKPIHTTILNPHVHIGEDAACIAYIRLTQYIDGQGRPRTSQSEETRVWHRDGGKQNVHFHCSGAPVAP  
 LQ

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



