

Product datasheet for **MR207982**

PPP2R5B (NM_198168) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5B (NM_198168) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R5B
Synonyms:	B'beta; BC026670
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207982 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGACGAAGCTGCCCTGCGAGCACCCCAAGCCCTCCTCCCCAGGGTGTCTCCAGTGCCAC
 CACCAGACAAGGTGGATGGCTTCTCCCGAGGTCCCTCCGAGGGCCCGCCCGTCTCCTCACACAGCTC
 TTCTCAGTTCCGCTATCAGAGCAACCAGCAAGAGCTCACTCCACTGCCCTGCTCAAAGATGTGCCAGCC
 TCTGAGTTGCATGAGTTGCTGAGCCGAAACTGGCCCAATGTGGGGTGTGTTTGACTTCTTGGACTGCG
 TGGCTGACCTCAAGGGGAAGGAGGTGAAGCGTGCAGCCCTCAATGAACTGGTGAATGTGTGGGTTGCAC
 CCGGGGTGTGCTCATCGAGCCCGTCTACCAGACATCATCCGCATGATATCAGTAAATATCTTCCGGACC
 CTGCCACCCAGCGAGAACCCTGAGTTTGACCCTGAAGAAGATGAGCCCAACCTTGAGCCCTCGTGGCCAC
 ATCTGCAGCTGGTATATGAGTTTTCTGCGTTTCTTGGAGAGTCCAGATTTCCAGCCCTCTGTGGCCAA
 GAGATACGTGGATCAAAAGTTTGTCTAATGCTCCTGGAGCTATTTGACAGCGAGGACCCCGGGAACGT
 GAGTACCTCAAGACCATCTTGCATCGGGGTACGCAAGTTCTGGGTCTCCGGGCTACATCCGCAAAC
 AGTGCAACCACATCTTCTCCGGTTCATCTACGAGCTGGAACACTTCAATGGTGTGGCTGAGCTCTTAGA
 GATCTTAGGAAGCATCATCAATGGCTTTCGCTGCCCTGAAGACTGAGCACAAGCAGTTCTGGTTCGA
 GTCCTGATCCCCTTGCACTCTGTCAAGTCACTATCTGTTTTTCATGCTCAGCTGGCATACTGTGTGGTGC
 AGTTCCTGGAGAAGGATGCAACCTTGACAGAGCATGTTATCCGGGGCTTCTCAAATACTGGCCTAAAC
 CTGACCCAGAAGGAGGTGATGTTCTGGGGGAGATGGAAGAGATTCTTGATGTCATCGAGCCCTCCAG
 TTTGTGAAGATCCAGGAGCCCTCTTCAAGCAGGTGGCTCGCTGTGTCTCCAGCCCCATTTCCAGTTG
 CAGAGCGGGCTCTGATTTCTGGAACAATGAGTACATCCTGAGCCTCATTGAGGACAACGCCACACTGT
 GCTGCCTGCGGTATTTGGGACCCTCTACCAAGTGTCCAAGGAGCACTGGAATCAAACCATCGTGTCCCTG
 ATCTACAACGTGCTCAAGACTTTCATGGAGATGAACGAAAGCTGTTTGACGAGCTCACAGCCTCTACA
 AGCTGGAAAAACAACAGGAGCAGCAGAAGGCCAGGAGCGGCAGGAGCTATGGCGAGGCTTGAGGAACT
 GCGGCTACCGGCTACAGGGGACCCAAGGGCCAAGGAAGCCCGTCCACGGCTACGCCCCAGGTG
 GCTGCCAGTGGGGTCAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207982 protein sequence
 Red=Cloning site Green=Tags(s)

METKLPPASTPTSPSSPGLSPVPPDPKVDGFSRRSLRRARPRRSHSSSQFRYQSNQQLTPLPLLDVPA
 SELHELLSRKLAQCQVMFDLDCVADLKGKEVKRAALNELVECVGCTRGVLIIEPVYVDIIRMISVNI
 FRTLPSENPEFDPEEPEPNLEPSWPHLQLVYEFFLRFLESPDFQPSVAKRYVDQKFLMLLELFDSE
 DPREREYLKTIILHRVYGFGLGLRAYIRKQCNHIFLRFIYELEHFNVAELLEILGSIINGFALPLKTE
 HKQFLVRLIPLHSVKLSVFAQLAYCVVQFLEKDATLTEHVIRGLLKYWPKTCTQKEVMFLGEMEEI
 LDVIEPSQFVKIQEPLFKQVARCVSSPHFQVAERALYFWNNEYILSLIEDNCHTVLPAVFGTLQV
 SKEHWNQTIIVSLIYNVLKTFMEMNGKLFDELTASYKLEKQEQQAQERQELWRGLEELRLRRLQGT
 QGAKEAPVPRPTQVAASGGQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

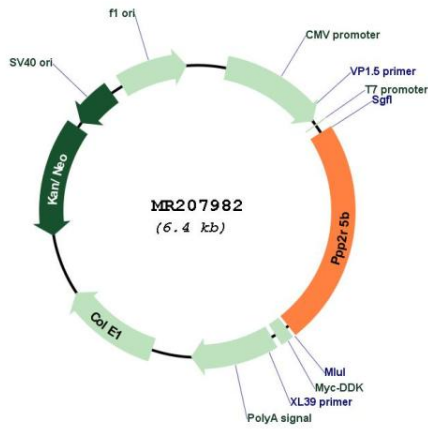
Restriction Sites:

Sgfl-MluI

MW: 57.3 kDa

Gene Summary: As the regulatory component of the serine/threonine-protein phosphatase 2A (PP2A) holoenzyme, modulates substrate specificity, subcellular localization, and responsiveness to phosphorylation. The phosphorylated form mediates the interaction between PP2A and AKT1, leading to AKT1 dephosphorylation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207982