

Product datasheet for **MR220368**

Grb14 (NM_016719) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grb14 (NM_016719) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Grb14
Synonyms:	A1505286
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220368 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACGTCCCTGCAAGACGGGCAGAGCGCCGCGGGCCGGCAGGCGCCAGGATTCCGCCGTGGCAG
 TGCAGGTGTGCCGCGTTGCCAGGGCAAGGGAGACGCCAGGACCGGCCAGGTCCCGGACTGCACGC
 GCTGTCCCCCGCTCCGATGCGACCCTCCGCGGTGCCATAGACAGGAGAAAAATGAAAGATCTGGATGTT
 CTGAAAAAGCCACCCATTCCAACCCCTTCTGAGCTCTGCTGCTCTCCGTTACATCTGTGCTGCAG
 CAGGCCTGTTCCAGGGCCAATTAAGGAAGAAGCAGGTGATTAAGTTTACAGCGAGGATGAAACCCAG
 CAGAGCATTAGAGGTGCCAGTGACATCACAGCCCGAGATGTTTGCCAGCTGTTGATCCTGAAGAACCAC
 TATGTGGACGACAACAGCTGGACCCTTTTGGACACCTATCTCACATAGGTTTGAAGAAGCCGTAGAGG
 ACCACGAGCTGCCAACTGAAGTGTCTCACTGGGAGTGGAAGAAGACAATAAGCTGTATCTTAGAAA
 GAATTATGCCAAATATGAATTTTTAAGAACCCAAATGTATTTCTTCCAGAGCACATGGTGTCTTTTGA
 GCTGAAATGAATGGTGACAGATCCCTACACAGATACTGCAGGTGTTTTAAGCTCCAGCAGCATCCTG
 AAATCCATGGCTTCTTACATGCAAGGAACAGGAAAAGAAAGTCTTGAAAAAAGCTTACTTTTTTCTCAG
 AAGATCTGGCTTATTTTTCTACTAAAGGCACATCCAAGGAACCACGGCATTGTCAGCTTTTTCAGTGAA
 TTCAGCACTAGTCACGTTTATATGTCACTGGCAGGAAAAAACAACGGAGCGCCAACCTCCATGGAT
 TCTGCTTAAAGCCTAACAAAGCAGGAGGGCCCCGGGACCTGAAAATGCTCTGTGCAGAAGAAGAGCAGAG
 CAGGACGTGCTGGGTGACCGCCATCCGACTGCTGAAGGATGGCATGCAGCTGTATCAGAATTATATGCAT
 CCATACCAAGGTAGAAGCGCCTGCAATTCTCAGAGCATGTACCCATGAGAAGCGTATCAGAGAATTCCC
 TAGTACCAATGGACTTCTCAGGTGAGAAGAGCAGAGTCATAGACAACCCACTGAAGCGCTTTCGGTTGC
 TGTTGAGGAAGGCCTCGCGTGGAGGAAAAAAGGCTGTTTACGCTGGGGAATCACGGAAGCCCCAGTGCC
 CCCTCCCAGAGCTCTGCTGTGAACATGGCTCTCCATCGGTCCCAACCATGGTTTACCACAGAATTTCCA
 GAGATGAGGCTCAGCGGCTGATCATTCCGCAGGGGCTGTGGATGGAGTTTTCTGGTACGGGATAGTCA
 GAGTAACCCAGAACTTTTGTACTGTCAATGAGTCATGGACAAAAGATAAAACACTATCAAATTATACCC
 GTAGAAGATGATGGTGAAGCTGTTCCATACTCTGGATGATGGCCATACGAAGTTCACAGACCTCATCCAGC
 TGGTGGAGTTCTACCAGCTCAACAGGGGGTCTTCTTGAAGCTGAAGCATTACTGTGCTAGGATGGC
 TGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220368 protein sequence
 Red=Cloning site Green=Tags(s)

MTTSLQDQSAAGRAGAQDSPLAVQVCRVAQGGKDAQDPAQVPGLHALSPASDATLRGAIDRRMKDLDV
 LEKPPIPNPFPELCCSPLTSVL SAGLFPRANSRKKQVIKYSEDETSRALEVPSDITARDVCQLLILKNH
 YVDDNSWTLFEHL SHIGLERTVEDHELPTPEVLSHWGVEEDNKLYLRKNYAKYEFFKNPMYFFPEHMSFA
 AEMNGDRSPTQILQVFLSSSTYPEIHGFLHAKEQGKSWKKAYFFLRRSGLYFSTKGTSKEPHRLQLFSE
 FSTSHVYMSLAGKKKHGAPTPYGFCLKPNKAGGPRDLKMLCAEEEQSRTCWVTAIRLLKDGMLYQNYMH
 PYQGRSACNSQSMSPMRSVSENSLVAMDFSGEKS RVIDNPTEALSVAVEEGLAWRKKGCLRLGNHGSPSA
 PSQSSAVNMALHRSQPWFHHRISRDEAQRLLIRQGPVDGVFLVRDSQSNPRTFVLSMSHGQKIKHYQIIP
 VEDDGELFHTLDDGHTKFTDLIQLVEFYQLNRGVLPCKLKHYCARMV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

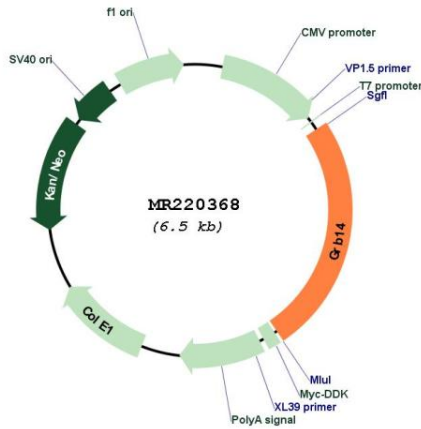
Sgfl-MluI

Cytogenetics: 2 C1.3

MW: 60.6 kDa

Gene Summary: Adapter protein which modulates coupling of cell surface receptor kinases with specific signaling pathways. Binds to, and suppresses signals from, the activated insulin receptor (INSR). Potent inhibitor of insulin-stimulated MAPK3 phosphorylation. Plays a critical role regulating PDPK1 membrane translocation in response to insulin stimulation and serves as an adapter protein to recruit PDPK1 to activated insulin receptor, thus promoting PKB/AKT1 phosphorylation and transduction of the insulin signal (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220368