

Product datasheet for **MC204946**

Gkap1 (NM_019832) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gkap1 (NM_019832) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gkap1
Synonyms:	42kDa; 4933400B15Rik; D13ErtD340e; Gkap42
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC052347 GCCGCCCTCCGCGGGCCCGTTACTGCGGACGCCCCGCGGCCCGCCCAACGCCCGGGGTAGCGCGGGA GCGCGGGGAGACGGGAGCGGCCGCCACCGCGGCGAGGGAGGCCCGGAGTTACTATTGAGCAAGCGTTTAA GCCCCAGTTCTGAGCCATGGCCTCTGCAGTCCTCAGCTCTGTGCTCACAACTGCCTCTCGCTTTGCCCT GCTACAAGTGGACAGCGGCAGTGCTCTGATTCCGAGCCTGGGAAAGGCAAGGCCGAGTAATGGGAAG TCTCAAACCTCTGGGAAACAAAGCAACCTCAAATGAGAAGAAACGGGAGAAGAGAAGAAAAAGAAAGAAC AGCAGCAGAGTGAAGCAAACGAGCTCAGGAATCTTGCTTTCAAGAAAAATCCCCAGAAATCTCCCATTC CATTTGCAATGTTCAACATGAGCTTTTCATCGCAAACCCAGCACAGAAGGAGTACGCGGAAGAAAAGTGG CAAGAGTGGAGACAGAAAGATGAACAGCTGACCTCTGAAATGTTTGAAGCTGACCTTGAGAAGGCGTTGC TGTTGAGTAAGCTGGAGTATGAAGAGCACAAACAGGATTATGAAAATGCTGAGACTGCTTCAACTCAGAC AAAAGGTATAAATAAAAAAGATAAAAGGAAGAACCACCAGGGCAAGGACAAACCTGTCACGGTGTCACTC AAAGACTTCCAGTGTGAAGATCATATTAGTAAAAAGGCAGAGGAATCGAATTCTGCTCAGACTTTATCAC ACGATGGGGGATTCTTCAATAGACTGGAAGATGATGTTTATAAGATTCTGATTAGAGAAAAAGGAGAGA ACAACCTCACAGAGCACAACGGAACAGATAACTCTCCCGCTCCAGAGCACAAACAGGAAGTAGGTCTAAAA GATGGAAGAAATTGAAAGACTAAAGTTAGAACTTGAAGGAAAGACGCAGAAATTCAGAAGCTCAAAGCTG TGATCACTCAGTGGGAGGCAAAGTATAAAGAAGTAAAAGCAAGAAATGGACAATTACTGAAAATGCTTCA GGAGGGAGAGATGAAAGATAAGGCCGAGATACTTCTGCAAGTGGATGAGTCTCAGAGCATCAAGAACGAG CTGACGGTCCAGGTGTCTTCACTTCATGCCGACTGGAACAAGAAAGATCTAAAGTAAAAGTATTACAGG CAGAATTAGCCAAATACCAGGGAGGCAGGAAGGGGAAAAGAACTTCGAACCTGACCATTGCAGGTGATC GTGGCCTCGGAGGCCAGCACAGAATCTTTCACACTTTTGCAGAAATGTGTATATTTAATGCTGTGCGAC TGCTAAACTGCAGTTTTTTGTTGAAGGAACTAAAAGCAACTAGTTCACTCATAGTCTACAGTTTTATGTT CTTTTGCTTAAAGTTAAAAGAAAATACAGAATACCAGCAGAAGTTGATTATTGTTTTCTGTCCAAACTT CTTATGACTTTAGTTTTTTCATCAGTCAATAAAATTAATTTACTCTCCGAAAAAAAAAAAAAAAAAAAAA AAAAAAA
Restriction Sites:	Sfil-Sfil
ACCN:	NM_019832



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Insert Size:	1101 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC052347</u> , <u>AAH52347</u>
RefSeq Size:	1548 bp
RefSeq ORF:	1101 bp
Locus ID:	56278
UniProt ID:	<u>Q9JMB0</u>
Cytogenetics:	13 30.97 cM
Gene Summary:	Regulates insulin-dependent IRS1 tyrosine phosphorylation in adipocytes by modulating the availability of IRS1 to IR tyrosine kinase. Its association with IRS1 is required for insulin-induced translocation of SLC2A4 to the cell membrane. Involved in TNF-induced impairment of insulin-dependent IRS1 tyrosine phosphorylation.[UniProtKB/Swiss-Prot Function]