

## Product datasheet for MC205230

### Arhgap33 (NM\_178252) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arhgap33 (NM\_178252) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Arhgap33  
**Synonyms:** AW324378; NOMA-GAP; Snx26; TCGAP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC065086

```
TGGCGGCGGAGGGCGGGTGGCGAGGACTGCGAACGAGGGCTCGAAAGCCGCGGGGTCTGAGGAGGCTA
CCGCGACCATGGTGACATTCAGTACGAGCTCCTCTGTGACAGGCCCATGCTCCAGGCACAGAAACAGTCA
GATCCCATCCTGCCTTGGGGAGCTTCATGGGCTGGCAGGGGACAGACTCTGAGGGCCCGCAGCACTGACA
GCCTGGATGGCCAGGGAGGGCTCAGTGCAGCCGTACCCACTACTGGGGGGCCGGGTACAAAGGGGAA
GCCTGGGAAGAGGCTCTCAGCTCCTCGAGGCCCTTCCCCGGCTGGCTGACTGTGCCCATTTCCACTAT
GAGAATGTTGACTTTGGCCACATTCAGCTCCTGTCTCCAGAGCGTGAGGGCCCCAGCCTCTCTGGAG
AAAATGAGCTGGTCTTTGGGGTACAGGTGACCTGTGAGGGCCGCTCCTGGCCAGTCTCCGGAGCTATGA
CGATTTCCGTTCTCTGGATGCCCATCTCCACCGGTGCATATTTGACCGGAGATTTTCTGCCTCCAGAG
CTCCCTCCACCTCCAGAGGGTACCAGGGTGCAGATGCTGGTACCGCTGCTGTCAGTACCTGGAGA
CCCTGTGACGACTGGTGGACAGTAACCTCAACTGTGGACCTGTGCTCACTGGATGGAGCTGGACAACCA
TGCCCGGCGCCTGCTCCTCAGTGAGGAAGCCTCCCTCAATATCCCTGCTGTGGCTGCTGCCACGTGGTC
AAGCGGTACACTGCCAGGCGCCAGATGAGCTGTCTTTGAGGTGGGAGACATTGTCTCAGTGATCGACA
TGCCACCTACAGAGGATCGGAGCTGGTGGCGGGGCAAACGGGGCTTCCAGGTTGGTTTCTTCCCCAGTGA
GTGTGTGGAACCTTTCACGGAGAGGCCAGGGCCTGGCCTAAAGGCAGATGCTGACAGTCCCTGTGTGGC
ATCCCAGCTCCCCAGGGCATCTTCTCTGACCTCAGCTGTGCCCGGCCACGTGGGAAGCTGGCAGGAC
TCCTCCGACCTTCATGCGCTCTCGTCTTCTCGCCAGCGGCTGCCAACCGGGGAATCCTGCGGCAGAG
GGTGTGTTGGTTGTGATCTTGGAGAGCACCTCAGCAACTCAGGCCAAGACGTGCCCAAGTGTGCTGCCGTC
TGCTCTGAGTTTATTGAGGCCCATGGTGTGGTGGATGGAATCTACAGGCTCTCTGGCGTGTCTCCCA
TCCAGAGGCTTCGCGATGAGTTTGATAGTGAGAGGATCCCTGAGCTGTCTGGCCCCGCTTCTACAAGA
TATCCACAGTGTCTCCTCCTCTGCAAGCTCTACTTCCGGGAAGTGCCCAACCCCTTGTCTCACCTACCAG
CTCTATGGGAAGTTCAGTGAGGCTATGTGAGTGCCTGGGGAGGAAGAAGCCTAGTGCGAGTGCATGACG
TCATCCAGCAGCTGCCTCCACCACACTACAGGACCCTGGAGTACCTGCTGAGGCACCTGGCCCGCATGGC
AAGACACAGCGTAACACCAGCATGCATGCCCGCAACCTGGCCATTGTCTGGGCACCCAACCTGCTACGG
TCTATGGAAGTGGAGTCGGTGGGGCTGGGTGGGGCAGCCGCTTCCGGGAGGTCCGGGTGCAGTCGGTGG
TGGTGGAGTTCCTGCTTACCCACGTGGAGTTCGTTCAGCGATACGTTACCTCTGCTGGCCTGGACCC
TGCAGGTCGCTGCCTCCTCCCAGACCCAAGTCCCTTGGCGGGGAGCAGTCCCTCCACTCGCTGCTAACA
```



[View online »](#)

```

CTGGAAGAAGCCAGGCACGAACTCAGGGCCGTCTTGAACACCTACAGAGCCCACGACTCCTAAGACGC
CAGCCTCACCAGTGAAAGGAGGAAAAGAGAGAGGGCGGAGAAACAAAGGAAGCCAGGAGGTAGCAGCTG
GAAGACATTCTTTGCTCTGGGGCGGGCCCCAGCATACCCCGGAAGAAGCCGCTGCCATGGCTGGGTGGC
AGCCGAGCCCCACCACAGCCTTCAGGCAGCAGACTGACACTGTACGCTGAGATCTGCCAAAAGTGAGG
AGTCTCTGTATCCCAGGCCAGCGGGCTGGCCTCCAGAGGCTGCACCGGCTGCGACGACCCCACTCCAG
CAGCGATGCTTTTCCCGTGGGCCAGCACCTGCTGGCTCTTGCAGAGCTTGTCTTCTTCTTCTTCTCT
TCTTCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
CCTCACACCCGACCTCAGCCTGGCTAGATGATGGCGATGATCTGGATTTAGTCCACCCCGCTGTCTGGA
AGGACTTCGGGGACTTGACTTTGATCCCTTACCTTTTCGCTGCAGCAGCCCCACCCAGGGGACCTTGCA
CCTCTGCCAGCCAGCACCTCCAGCCTCAGCCTCTGCCTTCCACCTCGGGCAACCCACAGGCTCTGT
CACCCCATGGACCACTAAGCCTGCTTACCCACTGCCCTGGACATCTCAGAGCCCTGGCTGTATCAGT
ACCACCTGCTGTCTGAACTACTGGGAGCTGGAGGAACGCTGCCTCAGCCACCCCAACACCGGCTCTC
AGCCCTCATCTCATCCCCCTGCTGCTGCGTGGAGCTGAGGCCAGCTAAGTGACACCTGTCAGCAGGAGA
TCAGCAGCAAGCTAGCACCAACCCGGGAGCTCCAGGCCAGCAAAGTCTGGCGGATGGATTACCGTT
ATTGCCCCACCTTGCCTCTGCTGCGCCTGGTGGGGTCCGCCCTCCCCCAAGAACCAGCTCGT
CTCATGGCCCTGGCCTTGGCTGAGCGAGCTCAGCAGGTAGCAGAGCAACAGAGCCAAAGAGCAGGGGG
GCACCCACCTGTCCCCACTCCCCCTTTCGACGCTCTCTGTCCCTAGAGGTGGGTGGGGAGCCTGTGGG
GACTTCAGGGAGTGGGATACACCCTCCCTCCTTAGCTCACCCAGGTGCCTGGGCTCCAGGTCCCCACCT
TACCTCCAAGGCAACAGAGTGATGGGAGCCTGGTAAGAAGCCAGCGGCCCTTGGGGACCTCAAGGAGAA
GTCCCAGAGGGCCTTCCCAGGTGAGTGCCTATCTCAGGGCAAGCGGGGCTTACAGGGATGCTCCAGAGAT
GGCAGCCAGTACCATGTTCTGTCCCCTCACAGGTTTAAACCCAGCTTCTTCAACCCCCGAGAG
TGTTTGCACCTTCTTGGCGTCCCCAAACAAGGCTTGTACTCTCTGGGACCCCATCCTTCCCACCTA
GCTCTCCAGCCCCAGTCTGGAGGAACCTCTGGGTGCCCTCAGCATTGGACAGGGGAGAGAATCTGTA
CTATGAAATTGGGTAGGGGAGGGGACCTCTACTCAGGCCCCAGCCGGTCTGGAGTCCGTTTCGCTCC
ATGCCCTCCGACAGGCATAATGCCTCCTATGGTATGCTTGGCCAGTCACCACCGTCCACAGGTCCCTG
ATTTCTGCTCAGCTACCCGCTCCCCCTCCTGCTTTCCCCAGAGCACCTTACCCACTCAGTTTCACA
GCGCCTTGCCCGGCGCCCTACCCGTCTGAGCCCTCTATGTCAACCTAGCCCTAGGGCCAGGGGCCCT
TCACCTGCCTCTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
TCCCCGCTCCCTCAGAAACAGCGGGCTCCTTGGGTCCACATACTCCCATCGGGTGCCTGGACCTTG
GGGTTCCCCGAACCTTTCTGTCTATAGGCCAGCTCCACCATCTATGGGAGGGGAGGGGAGGTCCGA
GGATCCTTGTACAGAAATGGAGGACATAGAGGAGAGGGGGCTGGTCCCCCTCCTCTTACCCACACCCA
GCTGGTCTTACATTAGAAAGGACAGACAGAAGTTACTGCTGAGATAGGACCAGGAAAGGACTCTCCCT
GCATTGGATCTTGGCCAAAGTCAATCCCTGTTTTGTATTTTCTTGGAGCTCACCCACCCACCCAGGTTT
CTAACTTTGTAACCTGCTCTGATGTGGTCCCTAACCCAAAAATCATTGTGTCCCTATTATGGGTTGCAG
GATATGACCACCCCTCCCTCTGGGACTCTTGACAATTGAGGGGGGGCAAGGCTGACAGCCTGTCCC
TACTCCCTTAGGAGTCTCCAGCCTGTACACAGACGGTGGGGAGACAGTTCTTGGCCACCTTCTCGTGC
ACCCACCCACTAAAGCCACCTGACAACATTAAGGAATAAAAAATGGCAGAAATTTGAAAAAAAAAAAAA AAAAA

```

- Restriction Sites:** Ascl-NotI
- ACCN:** NM\_178252
- Insert Size:** 3918 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:**

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:** [BC065086](#), [AAH65086](#)

**RefSeq Size:** 4415 bp

**RefSeq ORF:** 3918 bp

**Locus ID:** 233071

**UniProt ID:** [Q80YF9](#)

**Cytogenetics:** 7 B1

**Gene Summary:** May be involved in several stages of intracellular trafficking (By similarity). Could play an important role in the regulation of glucose transport by insulin. May act as a downstream effector of RHOQ/TC10 in the regulation of insulin-stimulated glucose transport. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Both variants 1 and 2 encode the same isoform.