

## Product datasheet for MC229541

### Arhgap33 (NM\_001289670) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap33 (NM_001289670) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap33
Synonyms:	AW324378; NOMA-GAP; Snx26; TCGAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229541 representing NM_001289670 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGCCCGCAGCACTGACAGCCTGGATGGCCAGGGGAGGGCTCAGTGCAGCCCGTACCCACTACTG  
GGGGGCCGGGTACAAAGGGGAAGCCTGGGAAGAGGCTCTCAGCTCCTCGAGGCCCTTTCCCCGGCTGGC  
TGACTGTGCCATTTCCACTATGAGAATGTTGACTTTGGCCACATTCAGCTCCTGCTGTCTCCAGAGCGT  
GAGGGCCCGCAGCCTCTCTGGAGAAAATGAGCTGGTCTTTGGGGTACAGGTGACCTGTGAGGGCCGCTCT  
GGCCAGTCTCCGAGCTATGACGATTTCCGTTCTCTGGATGCCATCTCCACCGGTGCATATTTGACCG  
GAGATTTTCTGCCTCCCAGAGCTCCCTCCACCTCCAGAGGGTACCAGGGCTGCCAGATGCTGGTACCG  
CTGCTGCTGCAGTACCTGGAGACCCTGTGAGGACTGGTGGACAGTAACCTCAACTGTGGACCTGTGCTCA  
CTTGGATGGAGCTGGACAACCATGGCCGGCGCCTGCTCCTCAGTGAGGAAGCCTCCCTCAATATCCCTGC  
TGTGGCTGCTGCCACGTGGTCAAGCGGTACACTGCCAGGCCAGATGAGCTGTCTTTGAGGTGGGA  
GACATTGTCTCAGTGATCGACATGCCACCTACAGAGGATCGGAGCTGGTGGCGGGCAACCGGGCTTCC  
AGGTTGGTTTCTCCCCAGTGAGTGTGTGGAACCTTACGAGAGGCCAGGGCCTGGCCTAAAGGCAGA  
TGCTGACAGTCCCCTGTGTGGCATCCCAGCTCCCAGGGCATCTCTCTGACCTCAGCTGTGCCCCGG  
CCACGTGGGAAGCTGGCAGGACTCCTCCGACCTTCATGCGCTCTCGTCTTCTGCCAGCGGCTGCGCC  
AACGGGAATCCTGCGGCAGAGGGTGTGGTTGTGATCTTGGAGAGCACCTCAGCAACTCAGGCCAAGA  
CGTGCCCCAAGTCTGCGCTGCTGCTCTGAGTTTATTGAGGCCCATGGTGTGGTGGATGGAATCTACAGG  
CTCTGCGGTGTCTCCAACATCCAGAGGCTTCGGCATGAGTTTGTAGTGTGAGAGGATCCCTGAGCTGT  
CTGGCCCCGCTTCTACAAGATATCCACAGTGTGCTCCTCCTGCAAGCTCTACTTCCGGGAAGTCC  
CAACCCCTTGCTCACCTACCAGCTCTATGGGAAGTTTCAAGTGTGAGGCTATGTGAGTGCCTGGGGAGGAAGAA  
CGCCTAGTGCAGTGCATGACGTATCCAGCAGCTGCCTCCACCACACTACAGGACCCTGGAGTACCTGC  
TGAGGCACCTGGCCGCATGGCAAGACACAGCGCTAACACCAGCATGCATGCCCGCAACCTGGCCATTGT  
CTGGGCACCAACCTGCTACGGTCTATGGAAGTGGAGTGGTGGGGCTGGTGGGCAGCCGCTTCCGG



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001289670.1, NP_001276599.1</u>
<b>RefSeq Size:</b>	4356 bp
<b>RefSeq ORF:</b>	3846 bp
<b>Locus ID:</b>	233071
<b>UniProt ID:</b>	<u>Q80YF9</u>
<b>Cytogenetics:</b>	7 B1
<b>Gene Summary:</b>	<p>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.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate exon that includes a portion of the 5' UTR and 5' coding region, resulting in translation initiation at an alternate start codon, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a.</p>