

## Product datasheet for **MC201404**

### Snap29 (NM\_023348) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Snap29 (NM_023348) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Snap29
Synonyms:	1300018G05Rik; AI891940; AU020222; BB131856; Gs32
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC030066 sequence for NM_023348 GCCGGCGCTGGGCTATCGACTCCTCGCTCAGCAACCCCTCTGCTTCTAGGTGCAGGCCGTCTCCCGCA CCATGTCTGGCTATCCTAAAAGCTATAATCCTTTTCGACGATGACGTGGAAGAGGAAGACACCCGGCCCGC GCCGTGGAAGGACGTCCGCGACCTGCCTGACGGCCCCGACGCGCCATTGACAGGACAGCAGTACCTGAGA CAGGAGGTGTTGCGCAGGGCCGAGGCTACCGCTGCCAGTACCAGCAGGTCCTTGTCTCTCATGTATGAAT CGGAGAAGATCGGAGTCGCCTCTCCGAGGAGCTGGTCCGGCAGCGAGGAGTCTAGAACACACAGAGAA GATGGTAGACAAGATGGATCAGGATTTGAAGATGAGCCAGAAACATATCAACAGCATTAAAGAGTGTGTTT GGAGGATTTATCAACTACTTCAAATCAAACCAGTAGAGCCTCCACCTGAGCAGAATGGCAGCATCGTCT CCCAGCCCAACAGCAGATTGAAAGAAGCCATAAATAACAAGTAAAGACCAGGAAAACAAGTACCAAGCCAG CCACCCAAACCTCAGAAGGCTACAGGATGCAGAACTAGACTCGGTCCCCAAAGAACCTTCTTCTACTGTG AATACTGAGGTTTACCCAAAGAACTCGACCCTTCGAATTATCACCAGAAGATTGACAGCAACCTAGATG AGCTGTCCGTGGGATTAGGCCACCTGAAGGACATAGCCTTGGGAATGCAGACAGAAATTGAGGAACAGGA TGACATCCTTGACCGACTGACAACCAAAGTGGACAAGCTAGATGTCAATATAAAAAGCACAGAAAAAAA GTGCGGAACTCTAGAGACACGGAGGAGGAACTCTGCTCCATCCTGATGAGAAGATTCGAAAAGGCTCTCT TAAACTCATGGATGTCACCTATTACAAGTGTATAATATAACGTGTTTTCAAATGTAAAAAAAAAAAAAAAA AAAAAAAAAAAA
Restriction Sites:	EcoRI-NotI
ACCN:	NM_023348
Insert Size:	783 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).



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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>	<a href="#">BC030066</a> , <a href="#">AAH30066</a>
<b>RefSeq Size:</b>	992 bp
<b>RefSeq ORF:</b>	783 bp
<b>Locus ID:</b>	67474
<b>UniProt ID:</b>	<a href="#">Q9ERB0</a>
<b>Cytogenetics:</b>	16 A3
<b>Gene Summary:</b>	SNAREs, soluble N-ethylmaleimide-sensitive factor-attachment protein receptors, are essential proteins for fusion of cellular membranes. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four alpha-helical bundle that drives membrane fusion. SNAP29 is a SNARE involved in autophagy through the direct control of autophagosome membrane fusion with the lysosome membrane. Plays also a role in ciliogenesis by regulating membrane fusions. [UniProtKB/Swiss-Prot Function]