

## Product datasheet for **MG203378**

### Snap29 (NM\_023348) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Snap29 (NM_023348) Mouse Tagged ORF Clone                                   |
| Tag:                      | TurboGFP  |
| Symbol:                   | Snap29  |
| Synonyms:                 | 1300018G05Rik; AI891940; AU020222; BB131856; Gs32                           |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >MG203378 representing NM_023348<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGGCTATCCTAAAAGCTATAATCCTTTTCGACGATGACGTGGAAGAGGAAGACACCCGGCCCGCGC  
CGTGAAGGACGTCCGCGACCTGCCTGACGGCCCCGACGCGCCATTGACAGGCAGCAGTACCTGAGACA  
GGAGGTGTTGCGCAGGGCCGAGGCTACCGCTGCCAGTACCAGCAGGTCTTGTCTCTCATGTATGAATCG  
GAGAAGATCGGAGTCGCCTCTTCCGAGGAGCTGGTCCGGCAGCGAGGAGTCTAGAACACACAGAGAAGA  
TGGTAGACAAGATGGATCAGGATTTGAAGATGAGCCAGAAACATATCAACAGCATTAAAGAGTGTGTTGG  
AGGATTTATCAACTACTTCAAATCCAAACAGTAGAGCCTCCACCTGAGCAGAATGGCAGCATCGTCTCC  
CAGCCCAACAGCAGATTGAAAGAAGCCATAAATACAAGTAAAGACCAGGAAAAACAAGTACCAAGCCAGCC  
ACCCAAACCTCAGAAGGCTACAGGATGCAGAACTAGACTCGGTCCCAAGAACCTTCTTCTACTGTGAA  
TACTGAGGTTTACCCAAAGAAGCTGACCCCTTTCGAATTTACACCAGAAGATTGACAGCAACCTAGATGAG  
CTGTCCGTGGGATTAGGCCACCTGAAGGACATAGCCTTGGGAATGCAGACAGAAATTGAGGAACAGGATG  
ACATCCTTGACCGACTGACAACCAAGTGGACAAGCTAGATGTCAATATAAAAAGCACAGAAAAAAGT  
GCGGCAACTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203378 representing NM\_023348  
Red=Cloning site Green=Tags(s)

MSGYPKSYNPFDDDDVEEEDTRPAPWKDVRDLDPGPDAPIDRQQYL RQEVLRRAEATAASTSRSLSLMYES  
 EKIGVASSEELVRQRGVLEHTEKMVDKMDQDLKMSQKHINSIKSVFGGF INYFKSKPVEPPPEQNGSIVS  
 QPNSRLKEAINTSKDQENKYQASHPNLRLQDAELDSVPKESSTVNTEVYPKNSTLRTYHQKIDSNLDE  
 LSVGLGHLKDIALGMQTEIEEQDDILDRLTTKVDKLDVNIKSTEEKVRQL

TRTRPLE - GFP Tag - V

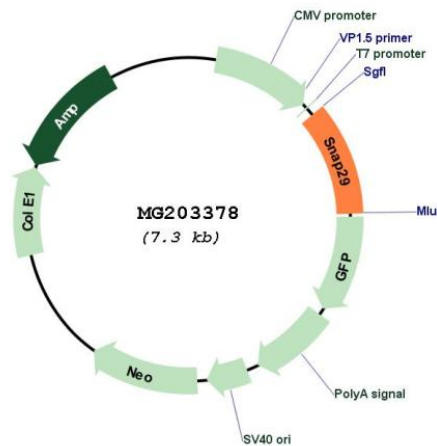
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_023348

**ORF Size:** 780 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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="#">NM_023348.4</a>   |
| <b>RefSeq Size:</b>           | 3547 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.<br>[UniProtKB/Swiss-Prot Function] |