

Product datasheet for MR203378

Snap29 (NM_023348) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snap29 (NM_023348) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snap29
Synonyms:	1300018G05Rik; AI891940; AU020222; BB131856; Gs32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203378 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGGCTATCCTAAAAGCTATAATCCTTTTCGACGATGACGTGGAAGAGGAAGACACCCGGCCCGCGC
CGTGAAGGACGTCGCGACCTGCCTGACGGCCCCGACGCGCCATTGACAGGCAGCAGTACCTGAGACA
GGAGGTGTTGCGCAGGGCCGAGGCTACCGCTGCCAGTACCAGCAGGTCTTGTCTCTCATGTATGAATCG
GAGAAGATCGGAGTCGCCTCTCCGAGGAGCTGGTCCGGCAGCGAGGAGTCTAGAACACACAGAGAAGA
TGGTAGACAAGATGGATCAGGATTTGAAGATGAGCCAGAAACATATCAACAGCATTAAAGAGTGTGTTGG
AGGATTTATCAACTACTTCAAATCCAAACCAAGTAGAGCCTCCACCTGAGCAGAATGGCAGCATCGTCTCC
CAGCCCAACAGCAGATTGAAAGAAGCCATAAATACAAGTAAAGACCAGGAAAACAAGTACCAAGCCAGCC
ACCCAAACCTCAGAAGGCTACAGGATGCAGAACTAGACTCGGTCCCAAGAACCTTCTTCTACTGTGAA
TACTGAGGTTTACCCAAAGAAGCTGACCCTTCGAACTTATCACCAGAAGATTGACAGCAACCTAGATGAG
CTGTCCGTGGGATTAGGCCACCTGAAGGACATAGCCTTGGGAATGCAGACAGAAATTGAGGAACAGGATG
ACATCCTTGACCGACTGACAACCAAGTGGACAAGCTAGATGTCAATATAAAAAGCACAGAAAAAAGT
GCGGCAACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203378 protein sequence
 Red=Cloning site Green=Tags(s)

MSGYPKSYNPFDDDDVEEEDTRPAPWKDVRDLPDGPDAPIDRQQYL RQEVLRRAEATAASTSRSLSLMYES
 EKIGVASSEELVRQRGVLEHTEKMDKMDQDLKMSQKHINSIKSVFGGF INYFKSKPVEPPPEQNGSIVS
 QPNSRLKEAINTSKDQENKYQASHPNLRLQDAELDSVPKPSSTVNTEVYPKNSTLRTYHQKIDSNLDE
 LSVGLGHLKDIALGMQTEIEEQDDILDRLTTKVDKLDVNIKSTEEKVRQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_023348

ORF Size: 783 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_023348.4](#)

RefSeq Size: 3432 bp

RefSeq ORF: 783 bp

Locus ID: 67474

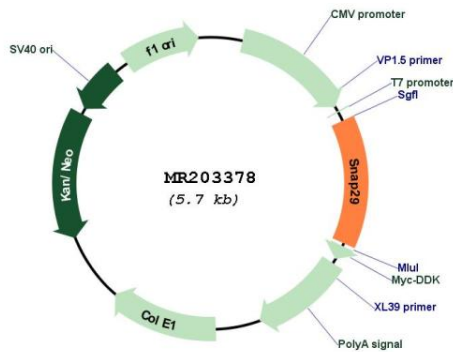
UniProt ID: [Q9ERB0](#)

Cytogenetics: 16 A3

MW: 29.6 kDa

Gene Summary: 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]

Product images:



Circular map for MR203378