

Product datasheet for MR206518

Snap47 (NM_144521) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snap47 (NM_144521) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snap47
Synonyms:	1110031B06Rik; SNAP-47
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206518 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCTGATATGCGTGTCCACTCCTGGTCTTGTTCCTACTATCTGGACCTTGAGAAGCAATGGGTTT
CTGGAAAACCTGACCCTGACTCCTCATTCACTGAAGTTCATTGTGGAAAAACAGAAGAGGTCCTTGTGG
CCTGCCCTCTCCAGCATCATTGAGATCAGGAAAGAGTCATCTCTTTATCTTCGGTGGCATCACAGTC
CTGGAGAAGGGCCAGACCAAGCACTGGTTCAGCTCACTGCAGCCTAGTCGAAATGTGGTCTTCAACGTCA
TCGAACATTTCTGGAGGGAGCTGCTACTGTCCCAGCCAGGCACTGCTGCCAACATACCCTCCCACGTGAC
CAGGGGACAGGAGCTGATAGGACTGATGGCAAATCCCAGAAACGCATGGAAGACACAGCGAAGGATCTC
CAGCAGCAGAGCGAACAGCTGGACAGCGTCTGAAGGGCCTGGAGAAGATGGAGTCCGACCTGGACGTGG
CTGACAGATTGCTGACAGAATTGGAGACACCTTCTGGTGGCCTTTTGGCTCTAAGTTTTGGAAGATGCC
GGCAGAAGAAAATCTCAAGGAAGGTGTGCTTCCACTTGTGAGCCCTTTGGAAAGGAAGGGGTTGTGATC
ACGGTCCCTGCTATTATTTCTGAGAGAGCAGAGTCTATTCCAAGCTGGGAAAGCTCACTGTCTGGTCT
CCGCTCTGGAAATCTATGACTCCTGCTCATTGCTCCTGCACAGATTTGAGAAGGAAGATGTTGATGATAT
CAAGGTTCACTCTCCTTATGAGGTCAAGCATACGCCAGCGCTTATTGGGAAGCCAGACGTGGCTTACCAG
CTGATATCTGCAAGATGCCGGAGGTCAATCCCATCTTAGAAGTACAGTTCAGCAGCAAGATTGAGCTCC
TGGAAGACGCCTTAGTGCTCAGGAACAAGGTCTTTGCTTCTCTGCAGAGAGGCATGCAGCATCCAGACC
GAAGGGCTGCACTCCACACCGAGAGCTGCCACAGGAGGACAGGAAGGCGAGCAGCTGCAGCTGCAGAAG
AACTTGCCACTGTTCTCTGAGGGGAAGCCAGGAGCTGACACAGATCCTGAGCAAAATGAAGGGACTCG
CACTGGACACTGAGGCAGAGCTGGAACGCCAGGATGCGGCTCTGGATGGCATCACCGTAGCTGTGGACCG
GGCAACCTGAATGTGGACAAGCAAAACCGGCGTATGAGAAAGCTGATG

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206518 protein sequence
Red=Cloning site Green=Tags(s)

MSSDMRVHSWSCSYLLDLEKQWVSGKLTLPKSLKFLVEKTEEVLVGLPLSSIIIEIRKESLFIKGAITV
 LEKGQTKHWFSSQLQPSRNVVFNIEHFWRELLLSQPGTAANIPSHVTRGQELIGLMANSQKRMEDTAKDL
 QQQSEQLDSVLKGLEKMESDLDVADRLLTELETPSWWPFSGKFWKMPAEENLKEGVSSTCEPFGKEGVVI
 TVPAIISERAESHKLGKLTVLVSALEIYDSCSLLLHRFEKEDVDDIKVHSPYEVSIRQRFIGKPDVAYQ
 LISAKMPEVPILEVQFSSKIELLEDALVLRNKVFASSAERHAASRPKGCTPHRELPTGGQEGEQLQLQK
 NLPLFSEGEAQLTQILSKMKGLALDTEAELERQDAALDGITVAVDRATLNVDKQNRMRKLM

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_144521

ORF Size: 1242 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_144521.1](#), [NM_144521.2](#), [NP_653104.1](#)

RefSeq Size: 1837 bp

RefSeq ORF: 1242 bp

Locus ID: 67826

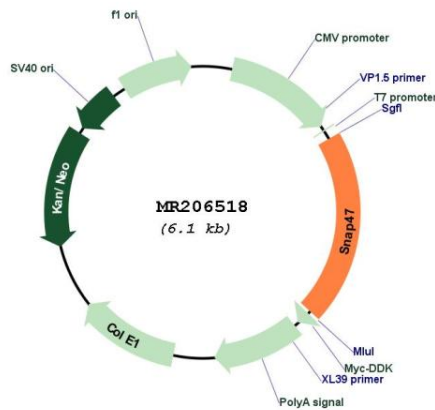
UniProt ID: [Q8R570](#)

Cytogenetics: 11 B1.3

MW: 46.5 kDa

Gene Summary: May play a role in intracellular membrane fusion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206518