

Product datasheet for **RG205867**

SNAP47 (NM_053052) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNAP47 (NM_053052) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNAP47
Synonyms:	C1orf142; ESFI5812; HEL-S-290; HEL170; SNAP-47; SVAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205867 representing NM_053052
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGCGCGGCTCGCCGCGTCTTCACTGCGCAGCGCCGAGCGCCGAGCGCCGCGGTCTGGG
 ACTCGTCTGGCGTCCCTCAGAGGCAGAAGAGCCCTGGACCTTGGCGCACAGACCCAGGAACAGATGAG
 CAGGGATGTCTGCATCCACACCTGGCCGTGCACCTACTACCTGGAGCCCAAGAGGCGATGGTTACTGGA
 CAGCTGTCCTAACATCGCTGTCGCTCAGGTTCACTGACTGACAGCACTGGAGAGATTCTGGTCAGCTTCC
 CCCTCTCCAGCATAGTTGAGATCAAGAAGGAGGCTTACATTTTATCTTCAGCTCCATCACCATCTGGA
 GAAGGGCCATGCCAAGCACTGGTTCAGCTCCCTGCGGCCAAGTCGAAATGTGGTCTTCAGCATCATCGAG
 CATTCTGGAGGGAGCTGCTGCTGTCTCAGCCTGGAGCCGTGGCAGACGCATCTGTCCAAGGACCCGGG
 GCGAGGAGCTGACGGGACTCATGGCTGGATCCCAGAAACGCTGGAGGACACGGGAGGGTCTGCACCA
 CCAGGGCCAGCAGCTGGACAGCGTCATGAGAGGCTGGACAAGATGGAGTCAGACCTGGAGTGGCGGAC
 AGATTGCTGACAGAACTGGAATCTCCTGCTTGGTGGCCCTTTAGCTCCAAGCTTTGGAAGACACCACCGG
 AAACAAAGCCAGGGAAGATGTCTCCATGACCAGTTGTGAACCCCTTTGGGAAAGAAGGGATACTGATAAA
 AATTCTGCTGTTATTTCCACAGAACAGAGTCTCACGTTAAACCAGGGAGGCTCACCGTCTTGTGTCT
 GGGTTGAAATACATGACTCCAGTCTTTGCTCATGCACAGGTTTGAAGAGAAGACGTGGACGACATCA
 AGGTCCACTCACCTACGAAATAGCATCCGCCAGCGGTTTATTGAAAGCCAGACATGGCCTATCGTTT
 GATATCTGCCAAGATGCCAGAGGTTATCCCATTTTGAAGTGCAGTTCAGCAAGAAGATGGAGCTGTTA
 GAAGATGCATTGGTGTCTCAGAAGCGCAAGAACCCTTCCCCCGCAGAGAAGAGCTGCTCAGTCTGGCATG
 CAGCATCTGGGCTGATGGGCTGTACCTGCACCGTGAGCCACCCGAGGAGACCAGGAGGGCACAGCACT
 GCACCTGCAGACAAGCCTGCCAGCCCTTTCTGAGGCAGATACCCAGGAACCTAACCCAGATCCTGAGGAGG
 ATGAAGGGGCTGGCCCTGGAGGCCGAGAGTGGAGTGGAGAGACAAGCAAGCCCTGGATGGCGTTGCAG
 CAGCTGTGGACAGGGCAACCTTGACCATCGACAAGCACAAAGCGGATGAAGAGGCTGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205867 representing NM_053052
 Red=Cloning site Green=Tags(s)

MRAARRGLHCAGAERPRRRGRLLWSSGVPQRQKRPWPRTQTQEQMSRDVCIHTWPCTYYLEPKRRWVTG
 QLSLTSLSLRFMTDSTGEILVSFPLSSIVEIKKEASHFIFSSITILEKGHAKHWFSSLRPSRNVVFSIIE
 HFWRELLL SQPGAVADASVPRTRGEEL TGLMAGSQKRL EDTARVLHHQGGQLDSVMRGLDKMESDLEVAD
 RLLTELESPAWWPFSSKLWKTTPPETKPREDSMTSCEPFGKEGILIKIPAVISHRTESHVKPGRLLTVLVS
 GLEIHDSSLLMHRFEREDVDDIKVHSPYEISIRQRFIGKPD MAYRLISAKMPEVPILEVQF SKKMELL
 EDALVLR SARTSSPAEKSCSVWHAASGLMGCTLHREPPAGDQEGTALHLQTS L PALSEADTQELTQILRR
 MKGLALEAESELERQDEALDGVAAAVDRATL TIDKHNRMRKRLT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_053052

ORF Size: 1392 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_053052.2](#), [NP_444280.1](#)

RefSeq Size: 2401 bp

RefSeq ORF: 1260 bp

Locus ID: 116841

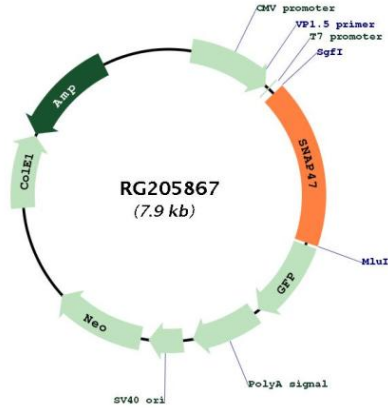
UniProt ID: [Q5SQN1](#)

Cytogenetics: 1q42.13

Protein Pathways: SNARE interactions in vesicular transport

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

Product images:



Circular map for RG205867