

Product datasheet for **MR215378**

Snph (NM_198214) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snph (NM_198214) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snph
Synonyms:	6430515A01; AW045671; AW556958; AW743098; mKIAA0374
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215378 representing NM_198214
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCATGTCCCTGCAGGGAAGTAGACGAGCCTCTGCCGATCTCGCAGCGGGGCACTTTAGGCCGTA
 GCGGCCTGGCAGTGTTCCGCCAGTGCCACAGGTGCCCGCCAGCCAGAATGAGCAGCGGCCTCTTCTCCC
 CGCCTCCAGGCGCACCTCTCCACCTGTGAGTGTGCGGGACGCCTACGGCACCTCTTCCCTCAGCAGCAGC
 AGCAACTCTGGCTCCTGCAAGGGCAGTGACAGCAGCCCCACACCGAGGCGCTCCATGAAGTACACACTAT
 GCAGCGACAATCACGGCATCAAGCCTCCCACCCAGAACAGTATCTGACTCCACTGCAACAGAAGGAGGT
 TTGCATCCGGCACCTGAAGGCCCGGTCAAGGACACACAGGACCGGTCCAGGATAGGGACACGGAGATC
 GATGACCTTAAGACGCAGCTGTCCGCATGCAAGAGGACTGGATTGAGGAGGAGTGCCACCGCTAGAAG
 CACAGCTGGCCCTGAAAGAGGCCCGCAAGGAGATCCGGCAGCTCAAGCAGGTATCGACACTGTCAAGAA
 CAACCTGATTGACAAGGACAAGGGGCTGCAGAAGTACTTTGTGGACATCAATATCCAGAACAAGAAGCTG
 GAGACCTTGCTGCACAGCATGGAGGTGGCCAGAATGGAGTCGCCAAGGAGGAAGGAACAGGGGAGTCAG
 CAGGTGGGTCTCCTGCACGGTCCCTCACCCGACGTCCACCTACACCAAGCTGAGTGACCCAGCCGCTCTG
 TGGTGACCGCCAGCCAGGGGATCCCTCCACACCTCTGCCGAGGATGGAGCTGATAGTGGATATGTGGCT
 GCCGATGACACCTGAGTCGGACGGACGCCCTGGAGGCCAGTAGCCTACTGTATCAGGAGTGGACTGTG
 GCCTTGAGGAAGCCTCGCTGCACAGTCTCTTCAACCTGGGCCCGCTTCCCTGCCAGCAACACCTACGA
 GAAGCTGCTGTGCGGCATGGAGGCTGGTGTGCAGTGCAGTGCATGCAGGAGCGGCCATCCAGACAGAC
 TTTGTGCAGTACCAGCCTGACCTGAACACCATCCTGGAGAAAGTGGGCCAGGCTCAGGTGTGCGGTTTCAG
 TCCTCAAAGACAGGCACTCAGAGCTGGATCCCCACCTTCAGGGCCAGAGACCTGACTCAGCAGTGGT
 AGTCACAGTAGGTGACGAGCTTGAGGCCCCAGAGCCCATCACCTGTGGGCCAGCCACACACCGGCCTGCA
 GTCAACTCTAACCAGGACTGCCGTGAGTGTGGTGTGTCCCGTGAAGAGGAGGAGGAGGAGGAGGCCG
 CTGCCACCACCACGAAAAGGAACCCAAGAGTTACTGGAGCCGCCACTACATCGTGGATCTGCTGGCTGT
 GGTAAGTGCAGCTGTGCCAAGTGGCCTGGCTCTGCCGCTCCAGCGCGCTCAGGGCCAGCCATTTC
 AACATCAGCTCCCTGCTGCGGGTTGCTGCACGGTGGCCTTGCACTCCATCCGTAGGATCAGCTGCCGCT
 CACTGGGCCAGCCGAGCTCCAGCACAGCCGGTGGCTCTCAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215378 representing NM_198214
 Red=Cloning site Green=Tags(s)

MAMSLQGSRRASAGSRSGTGLGRSLAVFAQCPQVPASQNEQRPLLPSRRTSPPVSVRDAYGTSSLSSS
 SNSGCKGSDSSPTRRSMKYTLCSDNHGIKPTPEQYLTPQQKEVCIRHLKARLKDQDRLQDRDTEI
 DDLKTQLSRMQEDWIEEECHRVEAQLALKEARKEIRQLKQVIDTVKNNLIDKDKGLQKYFVDINIQNKKL
 ETLLHSMEVAQNGVAKEEGTGESAGGSPARSLTRSSTYTKLSDPAVCGDRQPGDPSNTSAEDGADSGYVA
 ADDTLSTRDALEASSLLSSGVDCGLEEASLHSSFNLGPRFPASNTYEKLLCGMEAGVQVSCMQERAIQTD
 FVQYQPDNLNILEKVGQAQVCGSVLKDRHSELDPHPSGPRPDPSAVVVTVGDELEAPEITCGPATHRPA
 VNSNPGLPVSVVCPVEEEEEAAAAATTEKEPKSYWSRHYIVDLLAVVVPVPTVAWLCRSQRRQGQPIY
 NISSLLRGCTVALHSIRIRISCRSLGQPSSTAGGSQL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9082_e03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_198214

ORF Size: 1584 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_198214.3](#), [NP_937857.1](#)

RefSeq Size: 4750 bp

RefSeq ORF: 1587 bp

Locus ID: 241727

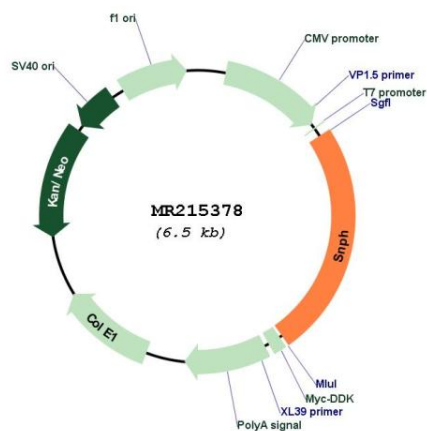
UniProt ID: [Q80U23](#)

Cytogenetics: 2 G3

MW: 57.1 kDa

Gene Summary: Inhibits SNARE complex formation by absorbing free syntaxin-1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215378