

Product datasheet for **MR230019**

Snph (NM_001291077) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snph (NM_001291077) 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:

>MR230019 representing NM_001291077
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCATGTCCCTGCAGGGAAGTAGACGAGCCTCTGCCGGATCTCGCAGGCGCTCCATGAAGTACACAC
 TATGCAGCGACAATCACGGCATCAAGCCTCCCACCCAGAACAGTATCTGACTCCACTGCAACAGAAGGA
 GTTTTGCATCCGGCACCTGAAGGCCCGGCTCAAGGACACACAGGACCGGCTCCAGGATAGGGACACGGAG
 ATCGATGACCTTAAGACGCAGCTGTCCCGCATGCAAGAGGACTGGATTGAGGAGGAGTGCCACCGGTAG
 AAGCACAGCTGGCCCTGAAAGAGGCCGCAAGGAGATCCGGCAGCTCAAGCAGGTATCGACTGTCAA
 GAACAACCTGATTGACAAGGACAAGGGGCTGCAGAAGTACTTTGTGGACATCAATATCCAGAACAAGAAG
 CTGGAGACCTTGCTGCACAGCATGGAGGTGGCCAGAATGGAGTCGCCAAGGAGGAAGGAACAGGGGAGT
 CAGCAGGTGGGTCTCCTGCACGGTCCCTCACCCGAGCTCCACCTACACCAAGCTGAGTGACCCAGCCGT
 CTGTGGTGACCGCCAGCCAGGGATCCCTCCAACACCTCTGCCGAGGATGGAGCTGATAGTGATATGTG
 GCTGCCGATGACACCCTGAGTCGGACGGACGCCCTGGAGGCCAGTAGCCTACTGTATCAGGAGTGGACT
 GTGGCCTTGAGGAAGCCTCGCTGCACAGCTCCTTCAACCTGGGCCCCCGCTTCCCTGCCAGCAACACCTA
 CGAGAAGCTGCTGTGCGCATGGAGGCTGGTGTGCAGGTCAGCTGCATGCAGGAGCGGGCCATCCAGACA
 GACTTTGTGACGTACCAGCCTGACCTGAACACCATCCTGGAGAAAGTGGGCCAGGCTCAGGTGTGCGGTT
 CAGTCTCAAAGACAGGCACTCAGAGCTGGATCCCCACCTTCAGGGCCAGAGACCCTGACTCAGCAGT
 GGTAGTCACAGTAGGTGACGAGCTTGAGGCCAGAGCCCATCACCTGTGGGCCAGCCACACCCGGCCT
 GCAGTCAACTCTAACCCAGGACTGCCCGTAGTGTGGTGTGTCCCGTGGAAAGAGGAGGAGGAGGCAG
 CCGTGCCACCACCAGAAAAGGAACCAAGAGTTACTGGAGCCGCCACTACATCGTGGATCTGTGTC
 TGTGGTAGTGCCAGCTGTGCCAACAGTGGCCTGGCTCTGCCGCTCCAGCGGCGTCAGGGCCAGCCATT
 TACAACATCAGCTCCCTGCTGCGGGTTGCTGCACGGTGGCCTTGCACCTCATCCGTAGGATCAGCTGCC
 GCTCACTGGGCCAGCCGAGCTCCAGCACAGCCGGTGGCTCTCAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230019 representing NM_001291077
 Red=Cloning site Green=Tags(s)

MAMSLQGSRRASAGSRRRSMKYTLCSDNHGKIPPTPEQYLTPQQKEVCIRHLKARLKDTQDRLQDRDTE
 IDDLKTQLSRMQEDWIEEECHRVEAQLALKEARKEIRQLKQVIDTVKNNLIDKDKGLQKYFVDINIQNKK
 LETLLHSMEVAQNGVAKEEGTGESAGGSPARSLTRSSTYTKLSDPAVCGDRQPGDPSNTSAEDGADSGYV
 AADDTLSRTDALEASSLLSSGVDCGLEEASLHSSFNLGPRFPASNTYEKLLCGMEAGVQVSCMQUERAIQT
 DFFVQYQPDNLNILEKVGQAQVCGSVLKDRHSELDPHPSGPRDPDSAVVVTVGDELEAPEPITCGPATHRP
 AVNSNPGLPVSVVCPVEEEEEAAAAATTEKEPKSYWSRHYIVDLLAVVVPAVPTVAVLWCRSQRQGGQPI
 YNISSLLRGCCTVALHSIRRISCRSLGQPSSSTAGGSQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001291077

ORF Size: 1377 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_001291077.1](#), [NP_001278006.1](#)

RefSeq Size: 4543 bp

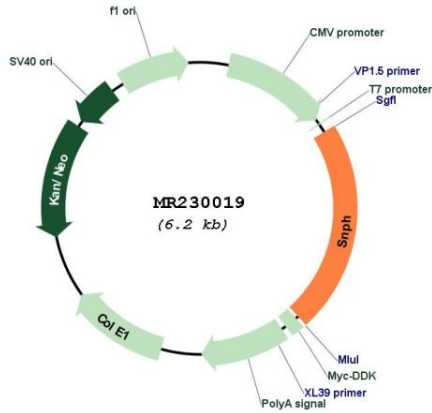
RefSeq ORF: 1380 bp

Locus ID: 241727

UniProt ID: [Q80U23](#)

Cytogenetics: 2 G3
MW: 50.6 kDa
Gene Summary: Inhibits SNARE complex formation by absorbing free syntaxin-1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230019