

Product datasheet for **MG215378**

Snph (NM_198214) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snph (NM_198214) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Snph
Synonyms:	6430515A01; AW045671; AW556958; AW743098; mKIAA0374
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215378 representing NM_198214
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCCATGTCCCTGCAGGGAAGTAGACGAGCCTCTGCCGATCTCGCAGCGGGGCACTTTAGGCCGTA
 GCGGCCTGGCAGTGTTCCGCCAGTGCCACAGGTGCCCGCCAGCCAGAATGAGCAGCGGCCTCTTCTCCC
 CGCCTCCAGGCGCACCTCTCCACCTGTGAGTGTGCGGGACGCCTACGGCACCTCTTCCCTCAGCAGCAGC
 AGCAACTCTGGCTCCTGCAAGGGCAGTGACAGCAGCCCCACACCGAGGCGCTCCATGAAGTACACACTAT
 GCAGCGACAATCACGGCATCAAGCCTCCCACCCAGAACAGTATCTGACTCCACTGCAACAGAAGGAGGT
 TTGCATCCGGCACCTGAAGGCCCGGTCAAGGACACACAGGACCGGTCCAGGATAGGGACACGGAGATC
 GATGACCTTAAGACGCAGCTGTCCGCATGCAAGAGGACTGGATTGAGGAGGAGTGCCACCGCTAGAAG
 CACAGCTGGCCCTGAAAGAGGCCCGCAAGGAGATCCGGCAGCTCAAGCAGGTATCGACACTGTCAAGAA
 CAACCTGATTGACAAGGACAAGGGGCTGCAGAAGTACTTTGTGGACATCAATATCCAGAACAAGAAGCTG
 GAGACCTTGCTGCACAGCATGGAGGTGGCCAGAATGGAGTCGCCAAGGAGGAAGGAACAGGGGAGTCAG
 CAGGTGGGTCTCCTGCACGGTCCCTCACCCGACGTCCACCTACACCAAGCTGAGTGACCCAGCCGCTCTG
 TGGTGACCGCCAGCCAGGGGATCCCTCCACACCTCTGCCGAGGATGGAGCTGATAGTGGATATGTGGCT
 GCCGATGACACCTGAGTCGGACGGACGCCCTGGAGGCCAGTAGCCTACTGTATCAGGAGTGGACTGTG
 GCCTTGAGGAAGCCTCGCTGCACAGTCTCTTCAACCTGGGCCCGCTTCCCTGCCAGCAACACCTACGA
 GAAGCTGCTGTGCGGCATGGAGGCTGGTGTGACAGTCACTGCATGCAGGAGCGGGCCATCCAGACAGAC
 TTTGTGACGTACCAGCCTGACCTGAACACCATCTGGAGAAAGTGGGCCAGGCTCAGGTGTGCGGTTTCAG
 TCCTCAAAGACAGGCACTCAGAGCTGGATCCCCACCTTCAGGGCCAGAGACCTGACTCAGCAGTGGT
 AGTCACAGTAGGTGACGAGCTTGAGGCCCCAGAGCCCATCACCTGTGGGCCAGCCACACACCGGCCTGCA
 GTCAACTCTAACCAGGACTGCCGTGAGTGTGGTGTGTCCCGTGAAGAGGAGGAGGAGGAGGAGGCCG
 CTGCCACCACCAGAAAAGGAACCCAAGAGTTACTGGAGCCGCCACTACATCGTGGATCTGCTGGCTGT
 GGATAGTCCAGCTGTGCCAAGTGGCCTGGCTCTGCCGCTCCAGCGGCGTCAGGGCCAGCCATTAC
 AACATCAGCTCCCTGCTGCGGGTTGCTGCACGGTGGCCTTGACTCCATCCGTAGGATCAGCTGCCGCT
 CACTGGGCCAGCCGAGCTCCAGCACAGCCGTTGGCTCTCAGCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG215378 representing NM_198214
 Red=Cloning site Green=Tags(s)

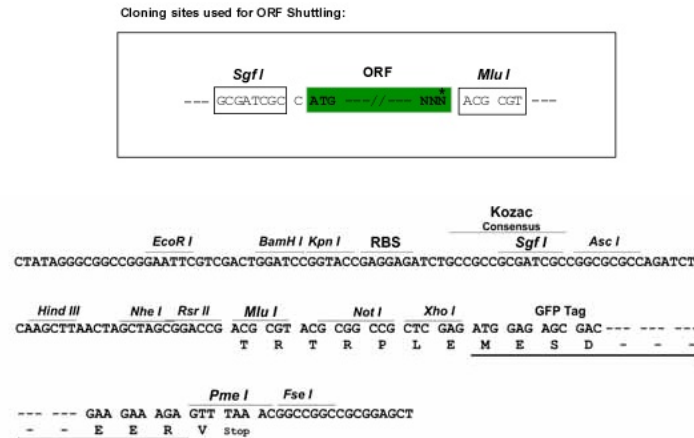
MAMSLQGSRRASAGSRSGTGLGRSLAVFAQCPQVPASQNEQRPLLPASRRTPSPVSVRDAYGTSSLSSS
 SNSGCKGSDSSPTPRRSMKYTLCSDNHGKPPPTPEQYLTPQQKEVCIRHLKARLKDQDRLQDRDTEI
 DDLKTQLSRMQEDWIEEECHRVEAQLALKEARKEIRQLKQVIDTVKNNLIDKDKGLQKYFVDINIQNKKL
 ETLLHSMEVAQNGVAKEEGTGESAGGSPARSLTRSSTYTKLSDPAVCGDRQPGDPNNTSAEDGADSGYVA
 ADDTLRTDALEASSLLSSGVDCGLEEASLHSSFNLGPRFPASNTYEKLLCGMEAGVQVSCMQERAQTD
 FVQYQPDNLNILEKVGQAQVCGSVLKDRHSELDPHPSGPRPDPAVVVTVGDELEAEPITCGPATHRPA
 VNSNPGLPVSVVCPVEEEEEAAAAATTEKEPKSYWSRHYIVDLLAVVVPVPTVAWLCSRQRQGPPIY
 NISSLLRGCTVALHSIRIRISCRSLGQPSSTAGGSQL

TRTRPLE – GFP Tag – V

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: 4689 bp

RefSeq ORF: 1587 bp

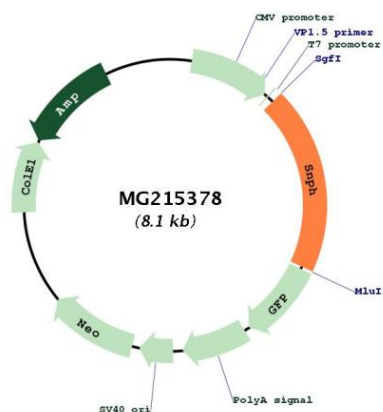
Locus ID: 241727

UniProt ID: [Q80U23](#)

Cytogenetics: 2 G3

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

Product images:



Circular map for MG215378