

Product datasheet for **SC304159**

SNPH (NM_014723) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNPH (NM_014723) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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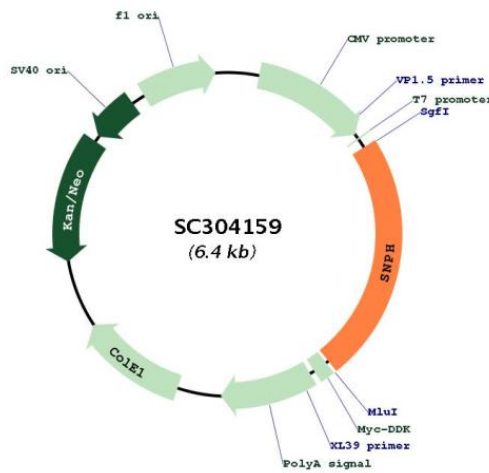
Fully Sequenced ORF: >SC304159 representing NM_014723.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCATGTCCCTGCCAGGAAGTAGACGGACCTCTGCTGGATCACGCAGGCGCACCTCTCCACCTGTG
AGCGTGCGGGATGCCTACGGCACCTCTTCGCTCAGCAGCAGCAGCAATTCTGGCTCTACAAGGGCAGT
GACAGCAGTCCCACGCCAAGGGCGTCCATGAAATACACGCTGTGCAGTGACAACCATGGCATCAAGCCC
CCGACCCCGGAGCAGTACCTGACCCCCCTGCAGCAGAAGGAGGTGTGCATCCGGCACCTGAAAGCCCGG
CTGAAGGACACACAGGACCGGCTCCAGGACCGGGACACAGAGATTGATGACCTGAAGACGCAGCTGTCA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_014723

Insert Size: 1485 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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:	<u>NM_014723.3</u>
RefSeq Size:	5051 bp
RefSeq ORF:	1485 bp
Locus ID:	9751
UniProt ID:	<u>O15079</u>
Cytogenetics:	20p13
MW:	53.5 kDa
Gene Summary:	<p>Syntaxin-1, synaptobrevin/VAMP, and SNAP25 interact to form the SNARE complex, which is required for synaptic vesicle docking and fusion. The protein encoded by this gene is membrane-associated and inhibits SNARE complex formation by binding free syntaxin-1. Expression of this gene appears to be brain-specific. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (2) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1.</p>