

## Product datasheet for SC331932

### Synphilin 1 (SNCAIP) (NM\_001242935) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Synphilin 1 (SNCAIP) (NM_001242935) Human Untagged Clone
Tag:	Tag Free
Symbol:	Synphilin 1
Synonyms:	Sph1; SYPH1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331932 representing NM_001242935. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGACATATCTTATTCAGTCACATCACTCAAGACGATCCCAGAAGTGTGCCGAAGATGTGATACGCAA
ACGAAGACAGATCAGAATGGTCAGTTGGAGTGCCTACGCTGGATGGTGAGCGAAACAGAAGCCATTGCA
GAACTGAGTTGTTCTAAGGATTTTCCAAGCCTTATTCATTACGCAGGTTGCTATGGCCAGGAAAAGATT
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TCACTTGGGAGGAAGACAGATGCCAAGGGAAAACCTGCCAGCTCCGCTAGCAAAGGAAAAGATAAGGCA
GAAATGTACAGCAGCTGCATCAATCTTCTCTAACATGCTGATTGAAGAGCATCTGTGTAAACGACACA
CGGCATAATGACATCAATAGAAAAATGAAGAAATCCTACAGCATAAAGCACATTGCTGAGCCAGAGTCA
AAAGAACTCTTCTGTAA

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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001242935
<b>Insert Size:</b>	1812 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001242935.1</a>
<b>RefSeq Size:</b>	2588 bp
<b>RefSeq ORF:</b>	1812 bp
<b>Locus ID:</b>	9627
<b>UniProt ID:</b>	<a href="#">Q9Y6H5</a>
<b>Cytogenetics:</b>	5q23.2
<b>Protein Pathways:</b>	Parkinson's disease
<b>MW:</b>	66.6 kDa
<b>Gene Summary:</b>	<p>This gene encodes a protein containing several protein-protein interaction domains, including ankyrin-like repeats, a coiled-coil domain, and an ATP/GTP-binding motif. The encoded protein interacts with alpha-synuclein in neuronal tissue and may play a role in the formation of cytoplasmic inclusions and neurodegeneration. A mutation in this gene has been associated with Parkinson's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1A) differs in the 5' UTR, lacks an alternate exon in the 5' coding region that results in translation initiation from a downstream start codon in a different reading frame, and lacks two alternate exons in the central coding region, compared to variant 2. The encoded isoform (1A) has a distinct N-terminus and is shorter than isoform 2.</p>