

Product datasheet for **SC120764**

SYNPR (NM_144642) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYNPR (NM_144642) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYNPR
Synonyms:	SPO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_144642, the custom clone sequence may differ by one or more nucleotides

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ATGTGTATGGTGATATTTGCTCCGCTTTTTGCAATCTTTGCATTTGCAACATGCGGTGGCTATTCTGGAG
GCCTGCGGCTGAGTGTGGACTGCGTCAACAAGACAGAAAGTAACCTCAGCATCGACATAGCGTTTCCTA
CCCATTAGGTTGCACCAGGTGACGTTTGAGGTGCCACCTGCGAGGAAAGGAACGGCAGAAGCTGGCA
TTGATTGGTGACTCCTCGTCTTCAGCAGAGTCTTCGTCACTGTTGCTGTCTTCGCCTTCTCTACTCTT
TGGCTGCCACTGTCGTTTACATTTTCTCCAGAACAAATACCGGGAAAACAACCGGGGCCACTCATTGA
CTTCATTGTCAGTGTAGTCTTTTCGTTCTGTGGTTGGTGGTTCATCAGCTTGGGCAAAAGGACTGTCT
GACGTCAAAGTTGCAACGGATCCAAGGAAGTATTGCTACTAATGTCAGCTTGCAACAGCCATCCAACA
AATGCATGGCTATCCACAGCCCTGTTATGTCAAGCTTAAACACTTCTGTGGTCTTTGGATTCTTGAAC
TATTCTCTGGGCTGAAACATATGGTTTGTTCAGGAGACCGGCTGGCATTCTTCGGGACAGAGATAT
CTTTCAGATCCAATGGAGAAGCACTCCAGCAGCTATAATCAAGGTGGTTACAACCAAGACAGCTATGGAT
CAAGCAGTGGGTACAGTCAGCAGGCGAGTTTGGGGCAACCTCAGATGAGTTTGGCCAACAGCCTACTGG
CCCACCTCCTTTACCAATCAGATTTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_144642 unedited
 TTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGATTTTAGTATGAGACAA
 CCTCTATTTTCTTTCAGGAGAGGGAAGTTGGATTATCAATTCTTTTGAAATGTGTATGG
 TGATATTTGCTCCGCTTTTTGCAATCTTTGCATTTGCAACATGCGGTGGCTATTCTGGAG
 GCCTGCGGCTGAGTGTGGACTGCGTCAACAAGACAGAAAGTAACCTCAGCATCGACATAG
 CGTTTGCTACCCATTACAGTTGCACCAGGTGACGTTTGAGGTGCCACCTGCGAGGGAA
 AGGAACGGCAGAAGCTGGCATTGATTGGTGACTCCTCGTCTTCAGCAGAGTTCTTCGTCA
 CTGTTGCTGTCTTCGCTTCCTCTACTCTTTGGCTGCCACTGTCGTTTACATTTTCTTCC
 AGAACAAATACCGGAAAACAACCGGGGCCACTCATTGACTTCATTGTCACTGTAGTCT
 TTTCTGTTCTGTGGTTGGTGGGTTTCATCAGCTTGGGCAAAAGGACTGTCTGACGTCAAAG
 TTGCAACGGATCCCAAGGAAGTATTGCTACTAATGTCAGCTTGCAACAGCCATCCAACA
 AATGCATGGCTATCCACAGCCCTGTTATGTCAAGCTTAAACACTTCTGTGGTCTTTGGAT
 TCTTGAACCTTTATCTCTGGGCTGGAAACATATGGTTTGTTCAGGAGACCGGCTGGC
 ATCTTCCGNACAGAGATATCTTTCAGATCCAATGGAGAAGCACTCCAGCAGCTATAATC
 AAGGGTGTACAACCAAGACAGCTATGGATCAAGCAGTGGGTACAGTCAGCAGGGCAGTT
 TGGGGGCACCTCANATGAAGTTGCCACAGCCTACTGGNCCCACTNCTTTACCATCANA
 TTAACGAAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_144642 unedited
 GAGCACTGGGGNAGGGGCTCACAGGNATGCCACCCGGGTATCTGTCTCAGGAAACAG
 CCTATGACCGCGCCCGCAATCTAGNAGTCCGAGTCTTTTTTTTTTTGTTTTGTTGTAT
 GCAATAACGTTTATTAGACATCAAATAGATATCACAATGACAGCTTTTATGCCAACGGGA
 ATTACACAAACTGGTCTACAGATATTCATCTAACACACAGGGGCTGCCTTGGAGCAAAAC
 TCCACACCAAAAGCACCAAGCCAGCGCAGCACCGTCAAAAAACCAAAAAACCCATTACAC
 CACCAAAACCCAAAGCACAATGCACAAGGACAACAGAAACCCACCCACCCACACCGA
 CCGAGAAAGGAGAGAAGACGGCAGAACC GCCGACATCAGCAGGACCCCAAGCAAGAGG
 AAAGCGGGCGGCCCTAGGGGGGGCGGCAAGGGCCACAAAATAACCCCGGGGGGC
 CACAAACGGAAGAGCCCCCAGGCCGGGGAGGGGGTTCCAACAAAGGAAAGCCCCCAC
 CCCCAGGGGCTCCCAGGCATCCCGAGAAAGCCCGCCCAACGGCGGCCCGGGGAACGAA
 CCAAAAGCACAGCGGGGACCACCCCGCGAAATCCCGCCCAACCCACCCCGCCCGCC
 GAACGCGCCATGAAAAAAACCGTTACCCGCCCAACCGACCCCAACGACGACCCACTC
 AACAGACCGAGAAACGGCAGGACCAAGCCTCAAACCACACAGGCACACATGCCATCA
 ACGCCGCGACGGAACCCAGCGCATACGACAAGCAAGCGCAACAAGCGCCCTCATAAGCGA
 GAAGGAGGAAGCACGGGCCGACGCAAGGAGGACAAAAGATAGGAGGACGGACAGCACGGC
 GACGCACAGGAACAGGACACACTATAACGAGCGACGCGGACGCGCCGGCG

Restriction Sites:

NotI-NotI

ACCN:

NM_144642

Insert Size:

2500 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).

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_144642.3</u> , <u>NP_653243.1</u>
RefSeq Size:	2360 bp
RefSeq ORF:	798 bp
Locus ID:	132204
UniProt ID:	<u>Q8TBG9</u>
Cytogenetics:	3p14.2
Domains:	MARVEL
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	<p>Intrinsic membrane protein of small synaptic vesicles. Probable vesicular channel protein (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate exon in the 5' CDS, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct N-terminus, compared to isoform 1.</p>