

## Product datasheet for **MR227471**

### Synpr (NM\_001163032) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Synpr (NM\_001163032) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Synpr  
**Synonyms:** 1500003F20Rik; SPO  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR227471 representing NM\_001163032  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTATGGTGATATTTGCTCCGCTTTTTGCAATGTTTGCATTGCAACATGTGGTGGCTATTCAGGAG  
GCCTGCGGCTGAGTGTGGACTGTGTCAATAAGACAGAAAGTAACCTCAGCATTGACATAGCGTTTGCCTA  
CCCATTACAGGCTGCAACAGGTGACCTTTGAAGTGCCACCTGTGAGGGAAAGGAACAGCAGAAGCTGGCA  
TTGGTTGGAGACTCCTCATCCTCAGCAGAATTCTTTGTCACCGTGGCTGTGTTTCGCTTTCTCTACTCCC  
TGGCTGCCACGGTCGTGTACATTTCTCCAGAACAAGTACCGCGAAAACAACCGGGGCCACTCATTGA  
CTTTATCGTCACTGTAGTCTTTTATTCTGTGGCTGGTGGGTTCTCTGCTTGGCAAAAAGGACTGTCT  
GATGTCAAAGTGGCAACAGATCCCAAAGAAGTCTGTTGCTGATGTCAAGCAGCTTCAACA  
AGTGCATGGCTGTCCACAGCCCTGTCAATGTCCAGCTTAAACACATCTGTGGTCTTCGGGTTTTGAATTT  
TATCCTCTGGGCTGGAACATTTGGTTTGTTCAGGAGACTGGCTGGCATTCTCTGGACAGAGATAC  
CTTTCAGACCCCATGGAGAAGCACTCCAGCAGCTACAATCAAGGACGCTACAACCAAGAGAGTTATGGGT  
CAAGTGGTGGGTACAGCCAGCAGCGAATCTGGGGCAACTTCCGATGAGTTGGCCAACAGCCTAGTGG  
TCCCACTTCTTTAACAATCAGATA

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR227471 representing NM\_001163032  
Red=Cloning site Green=Tags(s)

MCMVIFAPLFAMFAFATCGGYSSGLRLSVDCVNKTESNLSIDIAFAYPFRLQQVTFEVPVTCGKEQQKLA  
 LVGDSSSSAEFFVTAVFAFLYSLAATVVYIFFQNKYRENNRGLIDFIVTVVFSFLWLVGSSAWAKGLS  
 DVKVATDPKEVLLLSACKQPSNKCMAVHSPVMSSLNNTSVVFGFLNFILWAGNIWFVKETGWHSSGQRY  
 LSDPMEKHSSSYNQGRYNQESYGSSSGGYSQQANLGPSTDEFQQPSGPTSFNNQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001163032

**ORF Size:** 795 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\\_001163032.1](#), [NP\\_001156504.1](#)

**RefSeq Size:** 2657 bp

**RefSeq ORF:** 798 bp

**Locus ID:** 72003

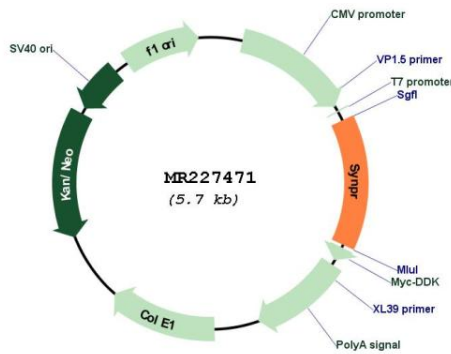
**UniProt ID:** [Q8BGN8](#)

**Cytogenetics:** 14 A1

**MW:** 29.7 kDa

**Gene Summary:** Intrinsic membrane protein of small synaptic vesicles. Probable vesicular channel protein (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR227471