

## Product datasheet for MR203878

### Synpr (NM\_028052) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Synpr (NM_028052) 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:	>MR203878 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCTGTGAGCCAGGTGGCCTCTGCGGGCACCTTTCGGGCATTGAAGGAACCCCTTGCCTTCCTGC  
GAGCTCTGGAGTTGCTTTTTGCAATGTTTGCATTTGCAACATGTGGTGGCTATTCAGGAGGCCTGCGGCT  
GAGTGTGGACTGTGTCAATAAGACAGAAAGTAACCTCAGCATTGACATAGCGTTTTCGTACCCATTGAG  
CTGCAACAGGTGACCTTTGAAGTGCCACCTGTGAGGGAAAGAACAGCAGAAGCTGGCATTGGTTGGAG  
ACTCCTCATCCTCAGCAGAATTCTTTGTCACCGTGGCTGTGTTTCGCTTTCTCTACTCCCTGGCTGCCAC  
GGTCGTGTACATTTTCTCCAGAACAGTACCGGAAAACAACCGGGGCCACTCATTGACTTTATCGTC  
ACTGTAGTCTTTTTCATTCTGTGGCTGGTGGGTTCTCTGCTTGGGCAAAAGGACTGTCTGATGTCAAAG  
TGGCAACAGATCCCAAAGAAGTCTGTTGCTGATGTCAGCTTGAAGCAGCCTTCCAACAAGTGCATGGC  
TGTCCACAGCCCTGTCATGTCCAGCTTAAACACATCTGTGGTCTTCGGGTTTTGAAATTTATCCTCTGG  
GCTGGAACATTTGGTTTGTTCAGGAGACTGGCTGGCATTCTCTGGACAGAGATACCTTTCAGACC  
CCATGGAGAAGCACTCCAGCAGCTACAATCAAGGACGCTACAACCAAGAGAGTTATGGGTCAAGTGGTGG  
GTACAGCCAGCAGGCGAATCTGGGGCAACTCCGATGAGTTGGCCAACAGCCTAGTGGTCCCCTTCC  
TTAAACAATCAGATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR203878 protein sequence  
Red=Cloning site Green=Tags(s)

MDPVSQVASAGTFRALKEPLAFLRALELLFAMFAFATCGGYSGGLRLSVCVKNKTESNLSIDIAFAYPFR  
 LQQVTFEVPTCEGKEQQKLALVGDSSSSAEFFVTVAVFAFLYSLAATVVYIFFQNKYRENNRGLIDFIV  
 TVVFSFLWLVGSSAWAKGLSDVKVATDPKEVLLMSACKQPSNCKMAVHSPVMSSLNTSVVFGFLNFIW  
 AGNIWVFKETGWHSSGQRYLSDPMEKHSSSYNQGRYNQESYGSSGGYSQQANLGPTSDEFGQQPSGPTS  
 FNNQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_028052

**ORF Size:** 858 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\\_028052.4](#)

**RefSeq Size:** 2551 bp

**RefSeq ORF:** 858 bp

**Locus ID:** 72003

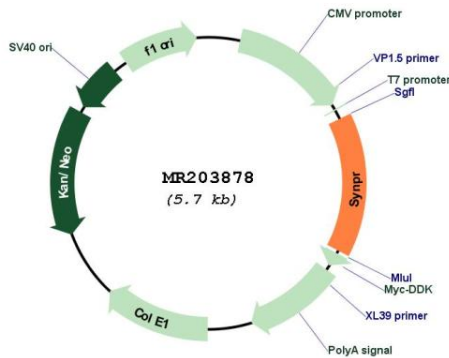
**UniProt ID:** [Q8BGN8](#)

**Cytogenetics:** 14 A1

**MW:** 31.3 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 MR203878