

Product datasheet for **MG203878**

Synpr (NM_028052) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Synpr (NM_028052) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Synpr
Synonyms: 1500003F20Rik; SPO
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203878 representing NM_028052
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCCTGTGAGCCAGGTGGCCTCTGCGGGCACCTTTCGGGCATTGAAGGAACCCCTTGCCTTCCTGC
 GAGCTCTGGAGTTGCTTTTTGCAATGTTTGCATTTGCAACATGTGGTGGCTATTCAGGAGGCTGCGGCT
 GAGTGTGGACTGTGTCAATAAGACAGAAAGTAACCTCAGCATTGACATAGCGTTTTCGTACCCATTGAG
 CTGCAACAGGTGACCTTTGAAGTCCCACCTGTGAGGGAAAGAACAGCAGAAGCTGGCATTGGTTGGAG
 ACTCCTCATCCTCAGCAGAATTCTTTGTCACCGTGGCTGTGTTTCGCCTTCTCTACTCCCTGGCTGCCAC
 GGTGCGTGTACATTTTCTCCAGAACAAGTACCGGAAAACAACCGGGGCCACTCATTGACTTTATCGTC
 ACTGTAGTCTTTTTCATTCTGTGGCTGGTGGGTTCTCTGCTTGGGCAAAAGGACTGTCTGATGTCAAAG
 TGGCAACAGATCCCAAAGAAGTCCTGTTGCTGATGTGACGTTGCAAGCAGCCTTCCAACAAGTGCATGGC
 TGTCCACAGCCCTGTCATGTCCAGCTTAAACACATCTGTGGTCTTCGGGTTTTGAATTTATCCTCTGG
 GCTGGAACATTTGGTTGTTTTCAAGGAGACTGGCTGGCATTCTCTGGACAGAGATACCTTTCAGACC
 CCATGGAGAAGCACTCCAGCAGCTACAATCAAGGACGCTACAACCAAGAGAGTTATGGGTCAAGTGGTGG
 GTACAGCCAGCAGGCGAATCTGGGGCAACTTCCGATGAGTTGGCCAACAGCCTAGTGGTCCCCTTCC
 TTTAAACATCAGATA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203878 representing NM_028052
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MDPVSQVASAGTFRALKEPLAFLRALELLFAMFAFATCGGYSGLRLSVCVKNKTESNLSIDIAFAYPFR
 LQQVTFEVPTCEGKEQQKLALVGDSSSSAEFFVTVAVFAFLYSLAATVVYIFFQNKYRENNRGLIDFIV
 TVVFSFLWL VGSSAWAKGLSDVKVATDPKEVLLLSACKQPSNKCMAVHSPVMSSSLNTSVVFGFLNFILW
 AGNIWVFKETGWHSSGQRYLSDPMEKHSSSYNQGRYNQESYGSSGGYSQQANLGPTSDEFGQQPSGPTS
 FNNQI

TRTRPLE - GFP Tag - V

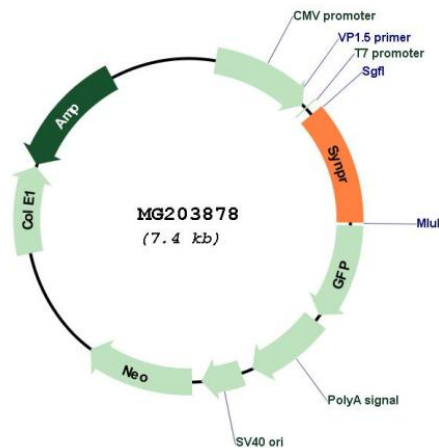
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_028052

ORF Size: 855 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:	<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:	NM_028052.4
RefSeq Size:	2542 bp
RefSeq ORF:	858 bp
Locus ID:	72003
UniProt ID:	Q8BGN8
Cytogenetics:	14 A1
Gene Summary:	Intrinsic membrane protein of small synaptic vesicles. Probable vesicular channel protein (By similarity).[UniProtKB/Swiss-Prot Function]