

Product datasheet for **RG225395**

SYNPR (NM_001130003) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SYNPR (NM_001130003) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SYNPR
Synonyms: SPO
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225395 representing NM_001130003
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGACCTGTGAGTCAGCTGGCCTCTGCGGGCACCTCCGGGTGCTGAAGGAGCCCTTGCCTTCTGC
GAGCCCTGGAATTGCTTTTTGCAATCTTGCATTTGCAACATGCGGTGGCTATTCTGGAGGCTGCGGT
GAGTGTGGACTGCGTCAACAAGACAGAAAGTAACCTCAGCATCGACATAGCGTTTGCCTACCCATTGAG
TTGCACCAGGTGACGTTTGGAGTGCCACCTGCGAGGAAAGAACGGCAGAAGCTGGCATTGATTGGTG
ACTCCTCGTCTTACGAGAGTTCTCGTCACTGTTGCTGTCTTTCGCTTCTCTACTCTTTGGCTGCCAC
TGTGTTTTACATTTTCTCCAGAACAAATACCGGAAAACAACCGGGGCCACTCATTGACTTCATTGTC
ACTGTAGTCTTTTCGTTCTTGTGTTGGTGGGTTTCATCAGCTTGGGCAAAAGGACTGTCTGACGTCAAAG
TTGCAACGGATCCCAAGGAAGTATTGCTACTAATGTCAGCTTGCAACAGCCATCCAACAAATGCATGGC
TATCCACAGCCCTGTTATGTCAAGCTTAAACACTTCTGTGGTCTTTGGATTCTTGAACCTTATTCTCTGG
GCTGGAACATATGTTTTGTTTTCAAGGAGACCGGCTGGCATTCTTCGGGACAGAGATATCTTTCAGATC
CAATGGAGAAGCACTCCAGCAGCTATAATCAAGGTGGTTACAACCAAGACAGCTATGGATCAAGCAGTGG
GTACAGTCAGCAGGCGAGTTTGGGGCAACCTCAGATGAGTTTGGCCAACAGCCTACTGGCCCCACTTCC
TTTACCAATCAGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225395 representing NM_001130003
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MDPVSQLASAGTFRVLKEPLAFLRALELLFAIFAFATCGGYSGLRLSVCVNKTESNLSIDIAFAYPFR
 LHQVTFEVPTCEGKERQKLALIGDSSSSAEFFVTAVFAFLYSLAATVVYIFFQNKYRENNRGLIDFIV
 TVVFSFLWLVGSSAWAKGLSDVKVATDPKEVLLLSACKQPSNKCMAIHSPPMSSLNTSVVFGFLNFILW
 AGNIWVFKETGWHSSGQRYLSDPMEKHSSSYNQGGYNQDSYGSSSGYSQQASLGPTSDIEFGQPTGPTS
 FTNQI

TRTRPLE - GFP Tag - V

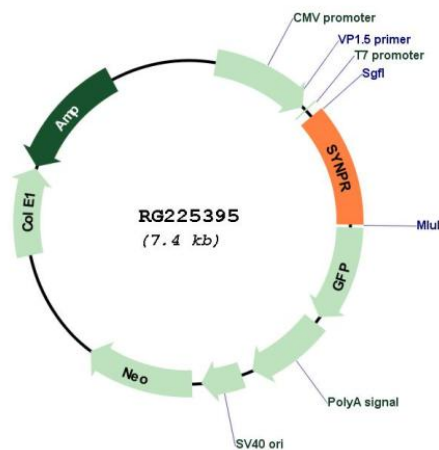
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001130003

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_001130003.2
RefSeq Size:	2594 bp
RefSeq ORF:	858 bp
Locus ID:	132204
UniProt ID:	Q8TBG9
Cytogenetics:	3p14.2
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	Intrinsic membrane protein of small synaptic vesicles. Probable vesicular channel protein (By similarity).[UniProtKB/Swiss-Prot Function]