

## Product datasheet for **RG205424**

### **SYNPR (NM\_144642) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SYNPR (NM_144642) 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:	>RG205424 representing NM_144642 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTATGGTGATATTTGCTCCGCTTTTTGCAATCTTTGCATTGCAACATGCGGTGGCTATTCTGGAG  
GCCTGCGGCTGAGTGTGGACTGCGTCAACAAGACAGAAAGTAACCTCAGCATCGACATAGCGTTTGCCTA  
CCCATTCAAGTTGCACCAGGTGACGTTTGAGGTGCCACCTGCGAGGGAAAGGAACGGCAGAAGCTGGCA  
TTGATTGGTACTCCTCGTCTTCAGCAGAGTTCTCGTCACTGTTGCTGTCTTCGCTTCTCTACTCTT  
TGGCTGCCACTGTCGTTTACATTTCTTCCAGAACAATACCGGGAAAACAACCGGGGCCACTCATTGA  
CTTCATTGTCAGTGTAGTCTTTTCGTTCTTGTGGTTGGTGGGTTTCATCAGCTTGGGCAAAAGGACTGCT  
GACGTCAAAGTTGCAACGGATCCCAAGGAAGTATTGCTACTAATGTCAGCTTCAAACAGCCATCCAACA  
AATGCATGGCTATCCACAGCCCTGTTATGTCAAGCTTAAACACTTCTGTGGTCTTTGGATTCTTGAAGT  
TATTCTCTGGGCTGAAACATAATGGTTTGTTCAGGAGACCGGCTGGCATTCTTCGGGACAGAGATAT  
CTTTCAGATCCAATGGAGAAGCACTCCAGCAGCTATAATCAAGGTGGTTACAACCAAGACAGCTATGGAT  
CAAGCAGTGGGTACAGTCAGCAGCGAGTTTGGGGCAACCTCAGATGAGTTTGGCAACAGCCTACTGG  
CCCCACTTCTTTACCAATCAGATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205424 representing NM\_144642  
 Red=Cloning site Green=Tags(s)

MCMVIFAPLFAIFAFATCGGYSGGLRLSVDCVNKTESNLSIDIAFAYPFRLHQVTFEVPTCEGKERQKLA  
 LIGDSSSSAEFFVTVAVFALYSLAATVYVYIFFQNKYRENNRGLIDFIVTVVFSFLWLVGSSAWAKGLS  
 DVKVATDPKEVLLLSACKQPSNKCMAIHSPVMSSLNTSVVFGFLNFILWAGNIWFVKETGWHSSGQRY  
 LSDPMEKHSSSYNQGGYNQDSYGSSSGYSQQASLGPTSDFFGQQPTGPTSFNTQI

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**ACCN:** NM\_144642

**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\\_144642.5](#)

**RefSeq Size:** 2360 bp

**RefSeq ORF:** 798 bp

**Locus ID:** 132204

**UniProt ID:** [Q8TBG9](#)

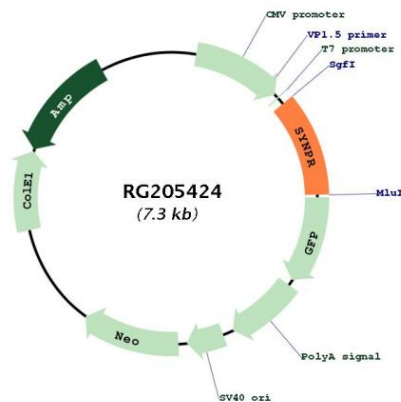
**Cytogenetics:** 3p14.2

**Domains:** MARVEL

**Protein Families:** Secreted Protein, Transmembrane

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

## Product images:



Circular map for RG205424