

Product datasheet for **RG211802**

Syncollin (SYCN) (NM_001080468) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Syncollin
Synonyms:	INSSA1; SYL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG211802 representing NM_001080468
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCCGCTGCGCCCGCTGCTGCTGGCCCTGGCCCTTGCCTCCGTGCCTTGCGCCAGGGCGCCTGCC
CCGCTCCGCCGACCTCAAGCACTCGGACGGGACGCGCACTTGCGCCAAGCTCTATGACAAGAGCGACCC
CTACTATGAGAACTGCTGCGGGGGCGCCGAGCTGTGCTGGAGTCGGGCGCAGACCTGCCCTACCTGCC
TCCAACTGGCCAAACCCGCTCCTCACTTGTGGTGGCCCCGCGCTGCGAGCTACCGTGTGGTCCCGGC
AAGGCAAGGCGGGCAAGACGCACAAGTTCTCTGCCGCGACCTACCGCGCCTGGAGGAGTACCGCCGGG
CATCTTAGGAGACTGGTCCAACGCTATCTCCGCGCTCTACTGCAGGTGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211802 representing NM_001080468
Red=Cloning site Green=Tags(s)

MSPLRPLLLALALASVPCAQGACPASADLKHSDGTRTCAKLYDKSDPYENCCGGAELSLESGADLPYLP
SNWANTASSLVVAPRCELTWVSRQKGAGKTHKFSAGTYPRLEERYRILGDWSNAISALYCRCS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001080468

ORF Size: 402 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.

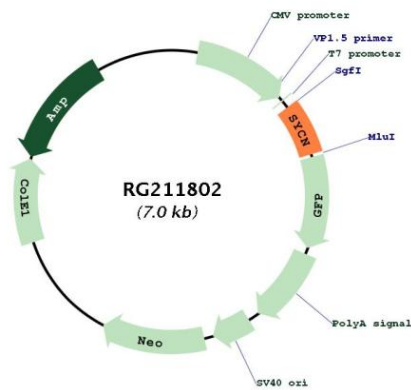
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001080468.4
RefSeq Size: 590 bp
RefSeq ORF: 405 bp
Locus ID: 342898
UniProt ID: Q0VAF6

Cytogenetics: 19q13.2

Gene Summary: Functions in exocytosis in pancreatic acinar cells regulating the fusion of zymogen granules with each other. May have a pore-forming activity on membranes and regulate exocytosis in other exocrine tissues (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211802