

Product datasheet for **RG216345**

SPNS3 (NM_182538) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SPNS3
Synonyms:	SLC62A3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG216345 representing NM_182538
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGGGGGATGTCTAGCGGAGTGCCTGAGCCTGGGCCAGGAGTCTGCAGGGCCAGTCCCCAGGGC
 CAGGCAGGCAGTGTCCCCTCCCATCACGCCACCTCCTGGAGCCTGCCCCCGTGGAGGGCTACGTGGC
 TGCCGCGCTCCTCTGCTACATCAACCTCCTGAATTACATGAAGTGGTTCATCATTGCAGGAGTGTCTGT
 GATATACAGGAGGTTTTCCAGATCAGTGACAACCATGCTGGTTTGTCTCAGACTGTCTTCTGTTAGCTGCC
 TGCTGCTGTCTGCACCTGTGTTTGGCTACCTGGGCGACCGACATAGCCGCAAGGCTACCATGAGCTTCGG
 TATCTTGTCTGTGGTCAGGAGCTGGCCTCTAGCTCCTTCATCTCCCCCGGTATTCTTGGCTCTTCTTC
 CTGTCCCGGGCATCGTGGCACTGGCTCGGCCAGCTACTCCACCATCGCGCCACCCTCTGGGCGACC
 TCTTCGTGAGGGACAGCGCACCCGCTGCTGGCTGTCTTCTACATCTTATCCCCGTTGGAAGTGGTCT
 GGGCTACGTGCTGGGTGCGCTGTGACGATGCTGACTGGAACTGGCGCTGGGCCCTCCGAGTCATGCC
 TGCCTGGAGCCGTGGCCTTGATCCTGCTTATCCTGCTGGTTCCAGACCCACCCCGGGAGCTGCCGAGA
 CACAGGGGGAGGGGCGCTGGGAGGCTTACAGGAGCAGCTGGTGTGAGGACGTCAGATACCTGGGAAAAA
 CTGGAGTTTCTGTGGTCGACCCTCGGAGTGACCGCCATGGCCTTGTGACTGGAGCCCTGGGTTCTGG
 GCCCCCAAGTTTCTGCTCGAGGCACGCTGGTTACAGGCTGCAGCCTCCCTGCTTCCAGGAGCCGTGCA
 GCAACCCCGACAGCCTGATTTTGGGGCACTGACCATCATGACCGCGCTATTGGGGTCATCTTGGGGGC
 AGAAGCTGCGAGGAGGTACAAGAAAGTCATTCCAGGAGCTGAGCCCTCATCTGCGCCTCCAGCCTGCTT
 GCCACAGCCCCCTGCCTCTACCTGGCTCTCGTCTGGCCCGACCACTGCTGGCCTCCTATGTGTTC
 TGGGCTTGGGAGCTGCTTCTGTCTGCAACTGGGAGTGGTTGCCGACATCCTGCTGTCTGTGGTGGT
 GCCCAGATGCCGGGGACGGCAGAGGCACTTCAGATCACGGTGGGCCACATCCTGGGAGGCGCTGGCAGC
 CCCTATCTCACAGGACTTATCTCTAGTGTCTGCGGGCCAGGCGCCCTGACTCCTATCTGCAGCGCTTCC
 GCAGCTGCAGCAGAGCTTCTGTGCTGCGCCTTGTATCGCCCTGGGGGGCGGCTGCTTCTGCTGAC
 TGGCGTGTACCTGGAGAGAGACGAGACCCGGGCTGGCAGCCTGTACAGGGACCCAGACAGCAATGAT
 GTGGACAGCAATGACCTGGAGAGACAAGCCTGCTTTCGGGCGCTGGCGCCTCTACAGAGGAGCCC

AGCGGACCGACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216345 representing NM_182538
 Red=Cloning site Green=Tags(s)

MAGGMSAECPEPGGLQGQSPGPGRQCPPIPTPSWSLPPWRAYVAAVLCYINLLNYMWNFIIAGVLL
 DIQEVFQISDNHAGLLQTVFVSCLLLSAPVFGYLGDHRSRKATMSFGILLWSGAGLSSSFISPRYSWLF
 LSRGIVGTGSASYSTIAPTIVLGDLFVRDQRTVLAVFYIFIPVGSGLGYVLGSAVTMLTGNWRWALRVMP
 CLEAVALILLILLVPDPPRGAAETQGEAVGGFRSSWCEDVRYLGKNWSFVWSTLGVTAMAFVTGALGFW
 APKFLLLEARVVHRLQPPCFQEPSCSNPDSLIFGALTIMTGIVIGVILGAEAAARYKKVIPGAELICASSLL
 ATAPCLYLALVLAPTLLASYVFLGLGELLSCNWAUVADILLVVVPRCRGTAEALQITVGHILGGAGS
 PYLTGLISSVLRARRPDSYLQFRSLQQSFLCCAFVIALGGGCFLLTALYLERDETRAWQPVGTGTPDSND
 VDSNDLERQGLLSGAGASTEEL

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_182538

ORF Size: 1536 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.

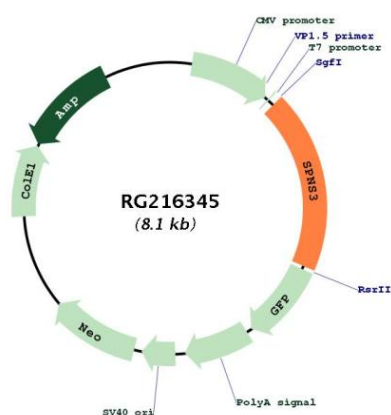
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_182538.3](#), [NP_872344.2](#)

RefSeq Size: 1915 bp

RefSeq ORF:	1539 bp
Locus ID:	201305
UniProt ID:	Q6ZMD2
Cytogenetics:	17p13.2
Protein Families:	Transmembrane
Gene Summary:	Spingolipid transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG216345