

Product datasheet for **RR205655**

Spns1 (NM_001039208) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spns1 (NM_001039208) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spns1
Synonyms:	RGD1305613
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR205655 representing NM_001039208
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGATCCGACACGGCGCCGTTCTCTCAGCCAAGCAGATGACCCAGATGACGGGCCAGCGCCTGGGC
 ATCCGGGGTTGCCAGGGCCCATGGGAATCCCAAGTCCGGGGAGCTCGAGGTCCCAGACTGTGAGGGGCT
 ACAGCGCATCACTGGTTTATCTCGGGGCCATTCCACCCTCATAGTGGTGGTGCTGTGCTACATCAACCTC
 CTGAACTACATGGATCGCTTACCGTGGCTGGGTTCTTACAGACATCGAGCAGTTCTTTAACATCGGAG
 ATGGTAGTACTGGCTCATCCAGACTGTGTTCAATTCAGTTACATGGTGTGGCACCAGTGTGGCTA
 CCTGGGTGACAGGTACAATCGAAAGTACCTCATGTGCGGGGGCATTGCCTTCTGGTCCCTGGTGACACTG
 GGGTCATCCTTCATCCCAGAGAGCATTCTGGCTGCTCCTCTGACCCGGGGCCTGGTGGGGTGGGGG
 AGGCCAGTTACTCCACCATTGCGCCACCCTGATCGCCGACCTCTTCGTGGCAGACCAGCGGAGTCGGAT
 GCTCAGCATCTTCTATTTTGGCATCCCTGTGGGACGCGGTCTAGGTTACATTGCTGGCTCCAAAGTGAAG
 GATTTGGCTGGAGACTGGCACTGGGCTTACGGGTGACACCAGGTCTAGGCGTGCTGGCCGCTCTGCTGC
 TGTTCTGGTGGTACAAGAGCCCCGAGAGGAGCTGTGGAACGCCACTCAGGTTACACCCCTGAGCCC
 CACCTCTTGGTGGGACAGATCTGAAGGACTGGCAGGAAATCCTAGTTTCGTCTCTTCCCTTGGCTTC
 ACCGCTGTGGCCTTTGTACGGGCTCCCTGGCTCTCTGGGCCAGCATTCTGCTGCGCTCCCGTGTG
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 GAACCTGGGCCATTGTGGCTGACATCCTGTTGTATGTGGTGATCCCAACTCGACGGTCCACAGCTGAGGCC
 TTCCAGATAGTGTGCTCCCACTTGTAGGTGATGCGGGGAGCCCTTACCTCATTGGTCTAATCTCTGACC
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 CGGGCACAACTCCACGTGCAGGGTCTGTTGCATGAGACCGAGCCCTCAGATGACCAGATTGTGGTACCTC
 AGCGAGGCCGTTCTACCCGAGTCCCTGTGTCCAGTGTGCTCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence:

>RR205655 representing NM_001039208
 Red=Cloning site Green=Tags(s)

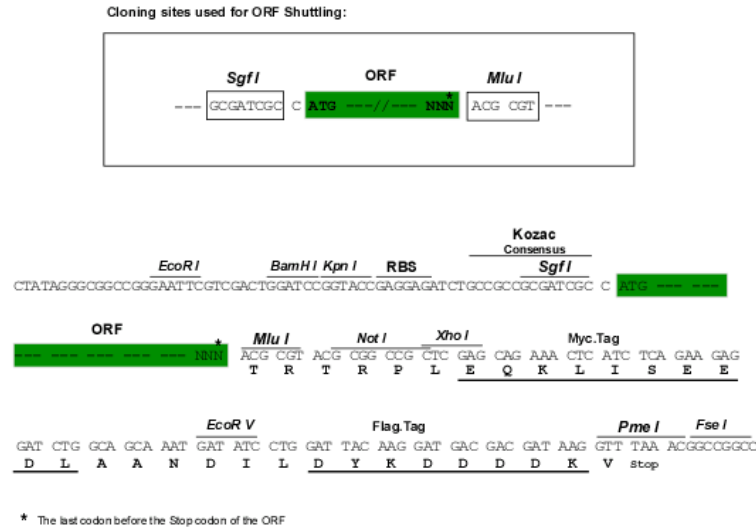
MAGSDTAPFLSQADDPDGPAPGHPGLPGPMGNPKSGELEVPDCEGLQRITGLSRGHSTLIIVVLCYINL
 LNYMDRFTVAGVLTIDIEQFFNIGDGSTGLIQTVFISSYMLAPVFGYLGDRYNRKYLMCGGIAFWSLVTL
 GSSFIPREHFWLLLLTRGLVGVEASYSTIAPTLIADLFVADQSRMLSIFYFAIPVGSGLGYIAGSKVK
 DLAGDWHWALRVTPGLGVLAVLLFLVVQEPPRGAVRHSGSPPLSPTSWWADLKALARNPSFVLSLGF
 TAVAFVTGSLALWAPAFLLRSRVVLGETPPCLPGDSCSSDSLIFGLITCLTGVLGVGLGVEISRRLRRF
 NPRADPLVCAAGLLGSSPFLFLSLACARGSIVATYIFIFIGETLLSMNWAIVADILLYVVIPTRRSTAEA
 FQIVLSHLLGDAGSPYLIGLISDRLRRSWPPSFLSEFRALQFSLMLCAFVGALGGAFLGTAMFIENDRR
 RAQLHVQGLLHETEPSDDQIVVPQGRGRSTRVPVSVLI

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



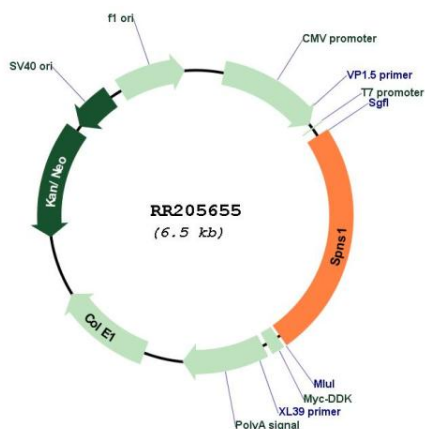
ACCN:	NM_001039208
ORF Size:	1584 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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_001039208.2 , NP_001034297.2
RefSeq Size:	2269 bp
RefSeq ORF:	1587 bp
Locus ID:	361648
UniProt ID:	Q2YDU8

Cytogenetics: 1q36

MW: 56.8 kDa

Gene Summary: Sphingolipid transporter. May be involved in necrotic or autophagic cell death (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR205655