

Product datasheet for **RR209801**

Scamp2 (NM_023955) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scamp2 (NM_023955) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Scamp2
Synonyms: MGC94592
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209801 representing NM_023955
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGGCCTTCGACACTAACCCCTTCGCGGACCCAGTGGATGTAACCCCTTCAGGATCCTTCTGTGA
CCCAGCTGACCAGTGCTCCTCAGAGTGGCTGGCTGAGTTCAATCCCTTCTCAGAGACAAATGCAGCGAC
AACAGTTCCTGTCACACAACCTCCTGGGCCCTCCAGCCAGCAGTTCTCCAGCCCTCAGTGGAGCCAGCA
CAGCCATCGCCCCAGGCTGTTGCGGCTGCAGCCCAGGCAGGCTGCTTCGGCAGCAGGAAGATTAGACA
GGAAAGCTGCTGAGCTGGAACGCAAGGAGCGAGAGTTGCAGAACACTGCGGCGAATTTGCATGTAAGAGA
AAACAACCTGGCCGCCACTCCCCTCATGGTGCCTGTGAAACCCTGCTTCTATCAGGACTTCTCCACGGAG
ATCCCTGCCGACTACCAGCGGATATGCAAGATGCTTTACTATCTGTGGATGTTGCATTCACTGACTCTGT
TTCTAAACCTGCTTGCATGCCTGGCCTGGTTACAAGTGACGCAGCTAATGGAACAGCCTTTGGCCTCTC
CATCCTTTGGTTTCTGATTTTACGCCCTGTGCCTTCTTTGTTGGTACCGACCCATCTACAAGGCTTTC
AGGTCTGACAACCTTTTCAGCTTCTTCGTGTTCTTTTTGTATTTTTTGTCAAATAGGAATCTACTTCA
TCCAGTTGATTGGCTTGCCTAACTTGGGGACCAAGTGGTTGGCTCGCAGCCCTCTACAGTGAATAAGGG
GCCCTTAGCTGTGACCATCATGATGATGGTAGTGGCTGGCTTCTTTACCCTCTGTGCTGGGCTCTCACTC
TTCTCCTGCAGCGGGTCCATGCCTTCTACCGCCGAACAGGAGCCAGCTTCCAGCAGGCTCAGGAAGAAT
TCTCCAGGGCATCTTCAGCAGCAGAACCTTCCGCACTGCTGCCTCGTCTGCTGCCCGAGGAACCTTCCA
GGGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209801 representing NM_023955
Red=Cloning site Green=Tags(s)

MSAFDTNPFADPVDVNPFDPSVTQLTSAPQSGLAEFNPFSETNAATTVPVTQLPGPSQPAVLQPSVEPA
 QPSPQAVAAAAQAGLLRQQEELDRKAAELERKERELQNTAANLHVRENNWPPLPSWCPVKPCFYQDFSTE
 IPADYQRICKMLYYLWMLHSVTLFLNLLACLAWFTSDAANGTAFGLSILWFLIFTPCAFLCWYRPIYKAF
 RSDNSFSFFVFFVFFCQIGIYFIQLIGLPNLGTSGLAALSTVKNKGPLAVTIIMMVVAGFFTL CAGLSL
 FLLQRVHAFYRRTGASFQQAQEEFSQGI FSSRTFR TAASSAARGTFQGN

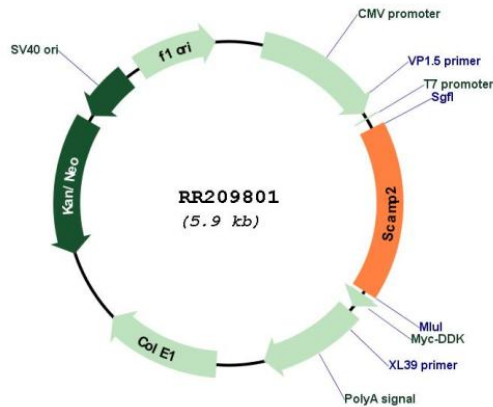
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_023955

ORF Size: 987 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_023955.1 , NP_076445.1
RefSeq Size:	2355 bp
RefSeq ORF:	990 bp
Locus ID:	65168
Cytogenetics:	8q24
MW:	36.5 kDa
Gene Summary:	may be involved in membrane trafficking and endocytosis [RGD, Feb 2006]