

## Product datasheet for **MR202864**

### Scamp5 (NM\_020270) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scamp5 (NM_020270) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scamp5
Synonyms:	Sc; Sc5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202864 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGAGAAAGTGAACAACCTCCACCATTGCCAAATTCATCCCACTGAAGCCATGTTTCTACCAAG  
ACTTCGAGGCAGACATCCCTCCTCAGCATCTCAGCTTGACCAAGCGCCTCTACTACCTCTGGATGTTGAA  
CAGCGTCACGCTGGCCGTGAACCTGGTGGGCTGTCTCGCGTGGCTGATCGGAGGCGGGGAGCCACCAAC  
TTTGGCCTGGCCTTTCTCTGGCTCATCCTCTTACACCTTGCTCCTACGCTCTGCTGGTTTCGGCCATTT  
ACAAGGCCTTCAAGACAGACAGTTCCTTACGTTTCATGGCATTCTTCTTACCTTCATGGCTCAGCTGGT  
CATCAGCATCATCCAGGCTGTGGGAATCCAGGCTGGGGTGTCTGCGGCTGGATTGCCACCATTTCCCTTC  
TTCGGGACGAACATCGGCTCAGCAGTGGTATGCTCATTCCCACGGTCATGTTACAGTTGTGGCCGTCT  
TTTCTTTCATTGCTCTTAGCATGGTTTCATAAGTTCTACCGGGTAGCGGAGGCAGTTTCAGCAAGGCTCA  
GGAGGAATGGACCACTGGAGCGTGAAGAACCACATGTGCAGCAGGCAGCCAGAAATGCAGCCATGGGG  
GCTGCTCAGGGTGCCATGAATCAACCGCAGACTCAGTATTCTGCCACTCCCAACTACAGTACTCCAATG  
AGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202864 protein sequence  
Red=Cloning site Green=Tags(s)

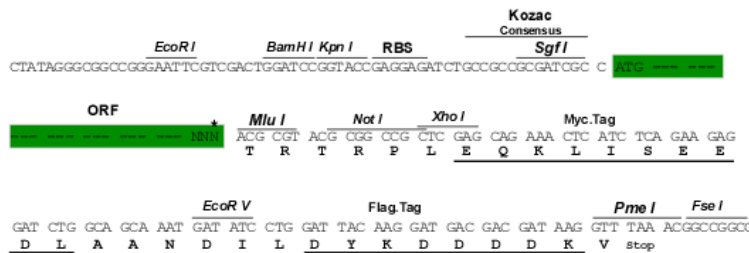
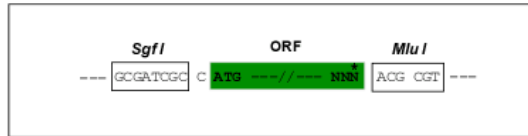
MAEKVNNFPPLPKFIPLKPCFYQDFEADIPPQHLSLTKRLLYYLWMLNSVTLAVNLVGCLAWLIGGGGATN  
 FGLAFLWLILFTPCSYVCWFRPIYKAFKTDSSFSFMAFFFTFMAQLVISIIQAVGIPGWGVCWGIATISF  
 FGTNIGSAVVMLIPTVMFTVVAVFSFIALSMVHKFYRSGGSFKAQEWTGAWKNPHVQQAQAAMG  
 AAQGAMNPQTQYSATPNYTYSNEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_020270

**ORF Size:** 708 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\\_020270.3](#)

**RefSeq Size:** 3247 bp

**RefSeq ORF:** 708 bp

**Locus ID:** 56807

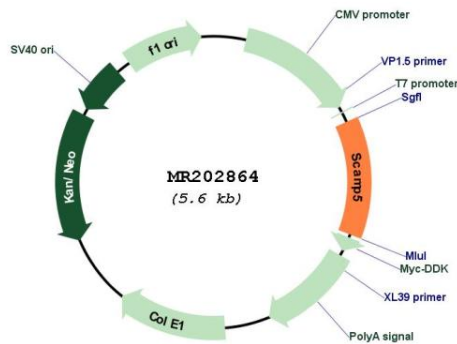
**UniProt ID:** [Q9JKD3](#)

**Cytogenetics:** 9 B

**MW:** 26.1 kDa

**Gene Summary:** This gene encodes a member of the Scamp (secretory carrier membrane protein) family. The encoded protein may be involved in neuronal vesicle trafficking. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]

**Product images:**



Circular map for MR202864