

Product datasheet for **MG204832**

Scamp2 (NM_022813) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scamp2 (NM_022813) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Scamp2
Synonyms: A1875466; Sc2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204832 representing NM_022813
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGCCTTCGACACTAACCCCTTCGCGGACCCAGTGGACGTAACCCCTTCAGGATCCCTCTGTGA
 CCCAGCTGACCAATGCTCCTCAGAGTGGCTGGCTGAGTTCAATCCCTTCTCAGAGACAAATGCAGCGAC
 AACAGTTCCTGCCACACAAGCTCCTGGGCCCTCCAGCCAGCAGTTCTCCAGCCCTCAGTGAACCGCA
 CAGCCAACGCCCCAGGCTGTTGCAGCTGCGGCCAGGCAGGCTTGCTTCGACAGCAGGAAGAAGTAGACA
 GGAAAGCTGCCGAGCTGGAACGCAAGGAGCGAGAGTTGCAGAACACTGCAGCGAATTTGCATGTGCGAGA
 CAACAACCTGGCCGCCACTCCCCTCATGGTGCCTGTGAAACCCTGCTTCTATCAGGACTTCTCCACGGAG
 ATCCCTGCTGACTACCAGCGGATTTGCAAGATGCTTTACTATCTCTGGATGTTGCATTCACTGACTCTGT
 TTCTAAACCTGCTTGCCTGGCCTGGCTGTTTCAAGTACGCGAGCCAATGGAACAGCCTTTGGCCTCTC
 CATCCTTTGGTTTCTGATCTTCACTCCCTGTGCCTTCTTTTGGTACCGACCCATCTACAAGGCTTTC
 AGGTCTGACAACCTTTTCACTTCTTCTGTTCTTTTTTGTATTTTTTGTCAAATAGGGATCTACTTCA
 TCCAGTTGATTGGCTTGCCTAATTGGGGACCAGTGGTGGCTTGAGCCCTATCTACGATGAAAAATGG
 GCCCTTAGCTGTGACCATCATGATGGTAGTGGCTGGCTTCTTTACCTCTGTGCTGGGCTTTCACTC
 TTCTCCTGCAGCGGGTACACGCCTTCTACCGCGAACAGGAGCCAGCTCCAGCAGGCCAGGAAGAGT
 TCTCCAGGGTATCTTCAGCAGCAGAACCTTTCGCGGGGCTGCCTCATCTGCTGCCGAGGAGCCTTTCA
 GGGGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204832 representing NM_022813
 Red=Cloning site Green=Tags(s)

MSAFDTNPFADPVDVNPFDPSVTQLTNAPQSGLAEFNPFSETNAATTVPATQAPGPSQPAVLQPSVEPA
 QPTPQAVAAAAQAGLLRQQEELDRKAAELERKERELQNTAANLHVRDNNWPPLPSWCPVKPCFYQDFSTE
 IPADYQRICKMLYYLWMLHSVTLFLNLLACLAWFTSDAANGTAFGLSILWFLIFTPCAFLCWYRPIYKAF
 RSDNSFSFFVFFVFFCQIGIYFIQLIGLPNLGTSGWLAALSTMKNGLAVTIIMMVVAGFFTL CAGLSL
 FLLQRVHAFYRRTGASFQQAQEEFSQGI FSSRTFRGAASSAARGAFQGN

TRTRPLE - GFP Tag - V

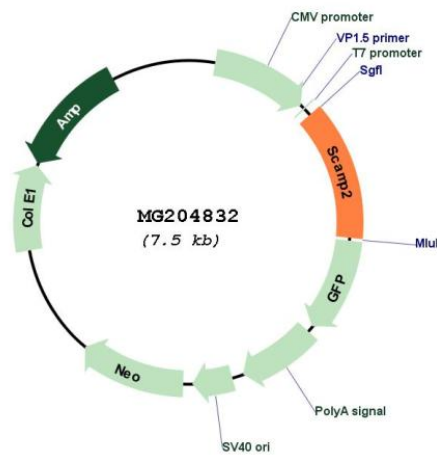
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_022813

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_022813.3 , NP_073724.1
RefSeq Size:	2343 bp
RefSeq ORF:	990 bp
Locus ID:	24044
UniProt ID:	Q9ERN0
Cytogenetics:	9 B
Gene Summary:	Functions in post-Golgi recycling pathways. Acts as a recycling carrier to the cell surface (By similarity).[UniProtKB/Swiss-Prot Function]