

Product datasheet for MR213783

Smco3 (NM_001039558) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smco3 (NM_001039558) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Smco3
Synonyms:	C030030A07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213783 representing NM_001039558 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGAGTGACTTCCTCTACCCACAAAACCCAAGGAGGCGACAGGAAGTAAACCGCCTTCACCAGC
AGCTGCTGGACTGCTTGCTGACAGCTTCAGGTACCAACAAGCTCACAGGGTTCTTAATACCCACTT
GGGTTGCAGGCTGGCCTTCATTGAAATGAAAAGCGATGGAACCATCAAAGAAAAGTGTGACATCATTATC
CAAGCCATGACAAAAATCAAAAGGAAGTCAAAAAGATTGACGAGGCACTGAAAGACCAACTAGAGCCAA
CCCTTTATAGGAAGCTGCAGGATATTAAGGAAAGGAGACGGAGAAGATTGCCATCGTGCAGAAGGTCAT
TTCTGTATCCTGGGAGAAGCTACATCTGCAGCCAGTGCAGTGGCTGTTAACTGGTGGGCTCAAGTGTG
ACAAGTGGCATAATTAGCAAGCTGGTCTCTGTGCTAGCTCACATCGGGACTTCTCTCCTTGGAAAGCATTG
GCGTTGCCGTGCTCAGCCTCGGGATAGATATGATCATTCAAGCCATCTTGGGAGCAGTGGAGAGGACACA
GCTTCAGGCAGCCATCAAAGTTATGAGAAGCACCTGGAGGAGTTCAAGGCTGCCTCAGCAAAGTACCAT
CATGCTATCACTGAGGTTGCCACTGCTGTGAAGCGCCAGCTAAGA

ACGCGTACGCGGGCCGCTCGAGCAGAAAAGTCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213783 representing NM_001039558
Red=Cloning site Green=Tags(s)

MAQSDFLYPQNPRRRQEVNRLHQQLLDCLSDSFQVTNKL TGVLNTHLGCRLAFIEMKSDGTIKENCIIII
 QAMTKIQKELQKIDEALKDQLEPTLYRKLQDIKERETEKIAIVQKVISVILGEATSAASAVAVKLVGSSV
 TTGIISKLVSVLAHIGTSLGSGIGVAVLSLGDIMIIQAILGAVERTQLQAAIKSYEKHLEEFKAASAKYH
 HAITEVATAVKRQLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001039558

ORF Size: 675 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_001039558.2](#), [NP_001034647.2](#)

RefSeq Size: 2052 bp

RefSeq ORF: 678 bp

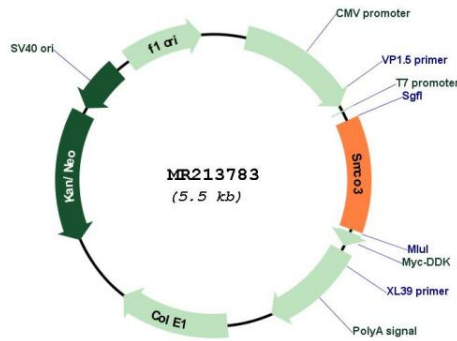
Locus ID: 654818

UniProt ID: [Q8BQM7](#)

Cytogenetics: 6 G1

MW: 25.2 kDa

Product images:



Circular map for MR213783