

Product datasheet for **RR213354**

Smox (NM_001134854) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smox (NM_001134854) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Smox
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR213354 representing NM_001134854
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAAGTTGTGAATCCAGTGGCGACAGTGGGATGACCTCTCAGTCGTGGCCTACGGAGAAGGGGAC
 AGCCTCGTGTGGTGTATCGGGCCGGCTTGGCTGGCCTGGCTGCAGCTCGAGCACTTCTGGAGCAGGG
 CTTACGGATGTCACTGTGCTTGAAGCTTCCAGCCACATTGGGGCCGTGTGCAGAGCGTAAACTTGA
 CACGCCACCTTTGAGCTGGGAGCCACCTGGATCCATGGATCCCACGGAAACCCTATCTATCAACTAGCAG
 AAGCCAATGGCCTTTTGAAGAGACAACAGATGGGGAGCGCAGCGTGGGCCGCATCAGCCTCTACTCCA
 GAATGGCGTGGCCTGCTACCTTACCAACCGTGGCCCGCATCCCCAAGGACGTGGTTGAGGAATTCAGT
 GATTTATACAACGAGGTCTATAACTTGACCCAGGAGTTCTCCGGAATGGTAAACCAGTCAATGCTGAGA
 GTCAGAACAGTGTGGGGTGTTCACCCGGGAGAAGGTGCGGAATCGCATCAGGGATGACCCTGACGACAC
 AGAGGCCACCAAGCGCCTGAAGCTCGCCATGATCCAGCAGTACCTGAAGTGGAGAGCTGTGAAAGCAGC
 TCTCACAGCATAGATGAAGTGTCCCTGAGCGCCTTTGGAGAATGGACGGAGATCCCTGGCGCCCATCACA
 TCATCCCTCCGGCTTATGCGAGTTGTGGAGCTGCTGGCTAAGGGCATTCCCCACATGTCATCCAGCT
 GGGAAACCCGTCGTTGCATCCACTGGGACCAGGCCTCGGCTCGCCCCGGGGTCTGAGATCGAGCCC
 CGTGGTGAAGGTGACCACAATCACGACGCTGGGGAGGGTGGCCAGAGTGGAGAGAATCCCCAGCAGGGGA
 GGTGGGACGAGGATGAGCAGTGGCCTGTAGTCGTGGAGTGCAGGATTGTGAGGTGATCCAGCAGACCA
 CGTATTGTGACCGTTTCGCTGGCGTGTCAAGAGGCAGTACACCAGTTCTTTAGGCCATGCTGCCCC
 ACAGAGAAGTGGCCGCCATCCACCGCTGGGCATTGGTACCCTGACAAGATCTTCTTGAATTCGAGG
 AGCCCTTTTGGGGCCCTGAGTGCAACAGCCTGCAGTTTGTGGGAGGATGAGGCAGAGAGCTGTACCT
 CACCTACCCGCCTGAGCTCTGGTACCGCAAGATCTGTGGCTTCGATGTCCTTTACCCACCAGAGCGCTAT
 GGCCATGTGCTGAGTGGCTGGATCTGTGGGAGGAGGCTCTCGTCATGGAGAGGTGCGATGACGAGGCTG
 TAGCGGAGATCTGCACGGAGATGCTTCGACAGTTCACAGGGAACCCCAATATACCAAAACCTAGGCGAAT
 CCTGCGCTCAGCCTGGGGCAGCAACCCATACTCCGGGTTTCTATTACACACAGGTGGGCTCAAGT
 GGGGCAGATGTGGAGAAGCTGGCCAAGCCCTGCCCTACACAGAGAGCTCCAAGACAGCGCCATGCAGG
 TGCTGTTCTCCGGTGGAGCCACACACCGCAAGTACTACTCCACCACCCACGGTGTCTGTCTCTGGCCA
 GCGTGAGGCCGCTCGGCTCATCGAGATGTACCGAGACCTTCCAGCAGGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213354 representing NM_001134854
 Red=Cloning site Green=Tags(s)

MQSCSSGDSADDPLSRGLRRRQPRVVVIGAGLAGLAAARALLEQGFTDVTVLEASSHIGGRVQSVKLG
 HATFELGATWIHGSHGNPIYQLAEANGLLEETDGERSVGRISL YSKNGVACYL TNRGRRIPKDVVEEFS
 DLYNEVYNTQEFFRNGKPVNAESQNSVGVTREKVRNRIRDDPDDTEATKRLKLAMIQQYLKVESCESS
 SHSIDEVSLSAFGEWTEIPGAHHIIPSGFMRVVELLAKGIPPHVIQLGKPVRCIHWDQASARPRGPEIEP
 RGEDHNDHAGEGGQSGENPQQGRWDEDEQWPVVVECEDCEVIPADHVIIVTVSLGVLKRQYTSFFRPLP
 TEKVAAIHRLGIGTTDKIFLEFEFPFWGPECNSLQFVWEDEAESCTLTYPPELWYRKICGFDVLYPPER
 GHVLSGWICGEEALVMERCDDAEVAEICTEMLRQFTGNPNIPKPRRILRSAWGSNPYFRGSYSYTVQVSS
 GADVEKLAKPLPYTESSKTAPMQVLFSGEATHRKYSTTHGALLSGQREARLIEMYRDLFQQGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

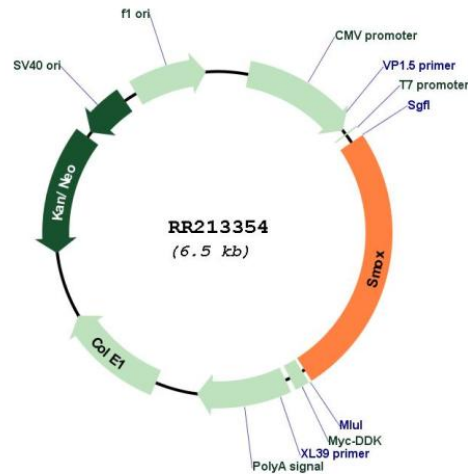
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN:	NM_001134854
ORF Size:	1665 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_001134854.1](#), [NP_001128326.1](#)

RefSeq Size: 2282 bp

RefSeq ORF: 1668 bp

Locus ID: 308652

Cytogenetics: 3q36

MW: 61.8 kDa