

Product datasheet for **MR216671**

Smok3a (NM_001126045) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smok3a (NM_001126045) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Smok3a
Synonyms:	Smok2b1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216671 representing NM_001126045
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCCCTGGGAGTCAACAGAAGTCAGAAAAGCTCAGATCCAAGTCCCCTTTGGCTGACATGGATGGTT
 TGCATGCTCAATATGTGATGCTAGAGACTATCGGCCATGGAGGCTGTGCCACAGTGAAGCTGGCCAGCA
 CCGCCTCACAGGCACTCACGTGGCTGTCAAACGATTGAAAGAGGGAGTATTGGTGCAACCGTGTCTATT
 TCTGAGGTAGAGTTACTGATGATGGCCGATCATCCGAATATCATCTCTCTCTCTCAAGTCAATTGAGACCA
 AGAAGAAAGTATACCTCATTATGGAGTTGTGCAAGGTAATCACTTTACCAACACATCCGAAAAGCTGG
 CTACCTGCAGGAGCATGAAGCACGCGCATTATTCAAGCAGCTCTTAAGTGTATGAACTACTGCCACAAC
 CAGGGTATAGTTCACAGGGACCTGAAACCGGACAATATCATGGTTGAAAAAGATGGGAAAGTGAAGATCA
 TTGATTTTGGACTCGGCACCAAAGTGAAGCCAGGGCAAAAACCTCAACTTATTCTGTGGGACTTACCCATT
 TAGTGCTCCTGAGGTGCTCCTTAGCACACCTATGATGGGCCAAGATCGATGTATGGACTCTTGGAGTT
 GTGCTGTATTTTATGGTAACTGGAAAGTCCCCTTTGATGCTTGCAGCATAAAAAAGCTGGTAAAGCGAA
 TTCTTGCAGGAAAGTATTCTATCCCTCTAGACTGTCAGCAGAGCTCCAAGACCTGCTTAGTCTTTTAAT
 GACGGCCAAACCCAAACTCAGGCCACTGTTGCTGAGGTTATGGTGCATCCCTGGGTACAGAAAGGCTCA
 GGGGTGTTCCAGATCCTTGTGAAGAACAGACCCCTCAAGCCAGACCTGCAATTGTAAGCAATGG
 GACATATCGGGTCCAAGCTCAAGATATTGAAGATTGTTACGTACAGAGAAAATCAACCAAAACCATGGC
 GTCTTATTGTCTACTGAAAAACAGATTCTTAAGGAATGTGACAGGCCAACCCGGGCTAGGCCGTGAAC
 CCATCGGTGACCCATTCCCTCCCTTGTGATACTGCTACTACCCGTCTCGGACTTCGAGGAGAGAGA
 ATGAACCCACATGTCCTGGTCAATCCGCAATAGGCAAGTGTCTGTCTGTGGCAAGAGTATAGAA
 AAGAGACAGAAGAGTCAAGTTGGCCAGTGTCTCGGCAGGCCACGCCACACGGCACCAATGGACCAC
 ACACGCACCCGTAAGGAGTGTACCCTGCATTTGCTCAATGTTTTGCACAGTCCAGCCAAACAGCAGCG
 AAGAGAGCACACAAGGCCACACCAGAGCCTCAGCAGCAGATAAGCCTGTCCACAGCAGGGGCTGGCCAG
 AGGCATCAAGGGCTGGACGAGGATGATAGGAAATGCGATGAGGAAGCTCTGTTGCTGTATCCCATCCAAA
 GAGACATCTCACCTGGGCAGAACAGAGTCTCCCCAAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216671 representing NM_001126045
 Red=Cloning site Green=Tags(s)

MGPGSQQKSEKLRKSPADMDGLHAQYVMLETIGHGGCATVKLAQHRLTGHVAVKTIKREYWCNRVI
 SEVELLMADHPNIIISLLQVIETKKKVYLIMELCKGKSLYQHIRKAGYLQEHEARALFKQLLSAMNYCHN
 QGIVHRDLKPDNIMVEKDGKVKIIDFGLGTVKPKGQKLNLCGTYPFSAPEVLLSTPYDGPKIDVWTLGV
 VLYFMVTGKIPFDACSIKLVKRILAGKYSIPSRLSAELQDLLSLLMTANPKLRPTVAEVMVHPVWTEGS
 GVFPDPCPEEQTPKPDPAIVKAMGHIGFQAQDIEDSLRQRKFNQTMASYCLLKKQILKECDRPTARPVN
 PSVTPFPSLVDATTRLGLRRENEPTCPWSSANRQVSVCGKSTSKKRDRRVSWSVLRGRPRHTAPTMDH
 TRTRRSVPCICSMFCTVQPNSSSEESTQGHTRASAADKPVHSRGWPRGIKGWTRMIGNAMRKLCCCIPSK
 ESHLQNRVSPKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001126045

ORF Size: 1512 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_001126045.1](#), [NP_001119517.1](#)

RefSeq Size: 2160 bp

RefSeq ORF: 1515 bp

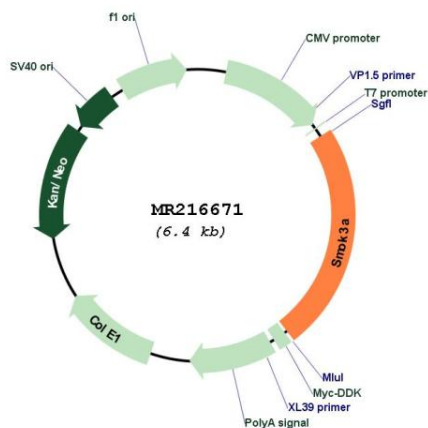
Locus ID: 545814

UniProt ID: [C0HKC9](#)

Cytogenetics: 5 G2

MW: 56.5 kDa

Product images:



Circular map for MR216671