

Product datasheet for **SC113810**

SAMD4B (NM_018028) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAMD4B (NM_018028) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAMD4B
Synonyms:	Smaug2; SMGB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018028, the custom clone sequence may differ by one or more nucleotides

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ATGATGTTCCGAGACCAGGTGGGCATCCTCGTGGCTGGTTCAAAGGCTGGAATGAGTGTGAGCAGACAG
TGGCCCTCCTGTCACTTCTGAAACGGGTACCCGTACCCAGGCCCGCTTCTGCAGCTCTGCCTGGAGCA
CTCACTGGCGGACTGCAATGACATCCACCTGCTGGAGTCGGAGGCCAACAGTGTGCCATCGTCAGCCAG
TGGCAGCAGGAGTCCAAAGAGAAGGTGGTGTCCCTCCTGCTGTCCACCTTCCCTGCTTCAGCCAGGCA
ACACAGAGGCCAAGTCGGAGTACATGAGGCTACTGCAGAAAGTGTGGCCTACTCAATCGAGAGCAATGC
TTTCATCGAGGAGAGTCGCCAGCTGCTTTCCTATGCCCTCATCCACCCAGCCACCACACTGGAGGACCGC
AACGCACTGGCCCTCTGGCTGAGCCACCTGGAAGAGCGGTTGGCTAGTGGCTTCCGCTCCCGCCAGAGC
CCTCTACCATTCACGTCAAGGCTCAGATGAGTGGGGGGGCCCTGCAGAGCTAGGCCCTGGGGAGGCAGG
GCCAGGCTGGCAGGACAAGCCACCCCGGAAAAATGGACACGTGCCCTTCCACCCATCCAGCTCAGTGCCG
CCAGCCATCAACAGTATTGGGAGCAATGCAAACACAGGTCTCCCTGCCAAATCCACCCTAGCCCACTGA
AGCGCTCCATGTCACTCATCCCTACAAGCCCCAGGTCCCTGGTGAAGTGGCCGAGTCCAGAGGAGCTTGG
GGCCCGGCTGCTTTTACCACGCCCGATCACGCACCTCTCTCGCCCCAGAGCAGCGTGGCCTCCTCTGGC
AGTGAGCAGACAGAGGAGCAGGGCTCCAGCCGGAACACCTTCCAGGAGGATGGCAGTGGCATGAAAGATG
TGCCCTCATGGCTCAAGAGCCTCCGTTTGCACAAGTATGCAGCCCTTCTCTACAGATGAGCTACGAGGA
GATGATGACACTGACTGAGCAGCACCTGGAGTCTCAGAACGTACCAAAGGTGCCCGCCACAAGATAGCC
CTGAGCATCCAGAAGCTGCGTGAGAGACAGAGCGTCTCAAGTCCCTAGAGAAGGATGTGCTGGAAGGCG
GGAACCTACGAAACGCTCTGCAGGAGCTGCAGCAGATCATCATCACTCCCATCAAGGCCCTACAGTGTCT
CCAGGCCACCGTGGCTGCCGCCACCAACCCCTACTGCCAAGGATGGGGCCCGGGGGAACCAACCGCTG
CCAGGTGCTGAGCCTCCCTAGCCACCCCGGCACAGACAAAGGCACCGAGGCCAAGGACCCTCCAGCTG
TGGAGAACTACCCACCTCCACAGCTCCAGCTCCCACTGATGGCAGTGAGCCTGCCCGGCTCCCGTCCG
CGACGGAGACATCCCCAGCCAGTTTACACGGGTGATGGGCAAAGTGTGCACCCAAGTGTGGTGTCCCGA
CCAGACGAGGAGAACATCACCAGTTACCTCCAGCTCATCGAAAAGTGCCTGACTCATGAGGCTTTACGG
AGACGCAGAAGAAACGGCTGCTATCCTGGAAACAGCAAGTGTGAAGCTCCTCCGGACATTCCCGCGCAA
AGCCGCACTAGAGATGCAGAACTACCGGCAGCAGAAAGGCTGGGCATTGGCTCCAAGTCCGCTCCCACTA
GCTGGCTCTGTGGGGATGGGAGTGGCCCGGCGTACCCAGCGGCAGTTCCAATGCCTCCCGGGCCCTCC
CACCCGGCCGGATGGGCCTCCTGAGCCCTCGGGCATTGGGGTGTCTCCCTCGACATGCCCTCACCAG
CCCCAGCCTTGAGAGCCAGGGCCGACAGAACCTGTGGTTTGCCAAACCCTGGAGGCAGCAACAGCATGCC
AGTCAGAGCCGCAGCTCTGTGCAGCGCACCCACTCGCTCCCGGTCCACTCGTCACCCAGGCCATTCTCA
TGTTCCCTCCAGACTGCCCGGTTCTGGGCTGACCTGGAGATCAATCCCACTCTGGAGTCTCTGTGTCT
GAGCATGACAGAACACGCCTTGGGTGATGGGACAGACAAAACCTCCACCATCTGA

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Chromatograms: https://cdn.origene.com/chromatograms/ja1818_e09.zip

Restriction Sites: NotI-NotI

ACCN: NM_018028

Insert Size: 2680 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_018028.2 , NP_060498.2
RefSeq Size:	4543 bp
RefSeq ORF:	2085 bp
Locus ID:	55095
UniProt ID:	Q5PRF9
Cytogenetics:	19q13.2
Gene Summary:	Has transcriptional repressor activity. Overexpression inhibits the transcriptional activities of AP-1, p53/TP53 and CDKN1A.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).