

Product datasheet for **RC208719**

SAMD4B (NM_018028) Human Tagged ORF Clone

Product data:

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



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**ORF Nucleotide
Sequence:**

>RC208719 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

 ATGATGTTCCGAGACCAGGTGGGCATCCTCGCTGGCTGGTTCAAAGGCTGGAATGAGTGTGAGCAGACAG
TGGCCCTCCTGTCACTTCTGAAACGGGTACCCGTACCCAGGCCCGCTTCTGCAGCTCTGCCTGGAGCA
CTCACTGGCGGACTGCAATGACATCCACCTGCTGGAGTCGGAGGCCAACAGTGTGCCATCGTCAGCCAG
TGGCAGCAGGAGTCCAAAGAGAAGGTGGTGTCCCTCCTGCTGTCCACCTTCCCCTGCTTCAGCCAGGCA
ACACAGAGGCCAAGTCGGAGTACATGAGGCTACTGCAGAAAGTGTGGCCTACTCAATCGAGAGCAATGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC208719 protein sequence
Red=Cloning site Green=Tags(s)

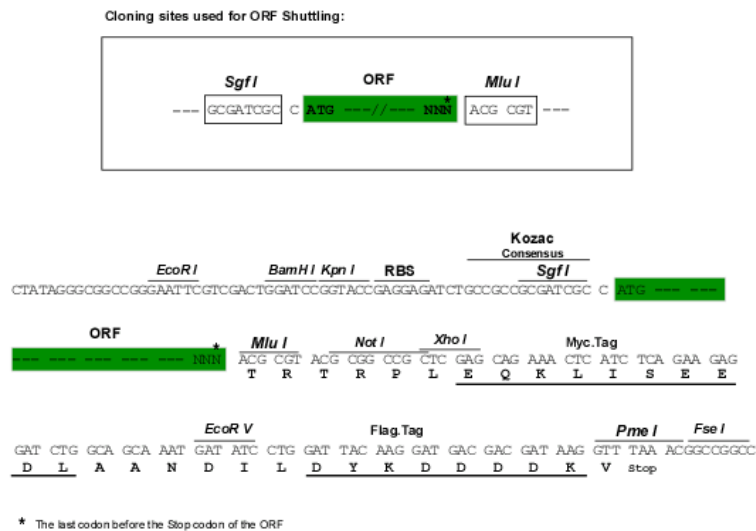
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Chromatograms: https://cdn.origene.com/chromatograms/mk6692_b12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

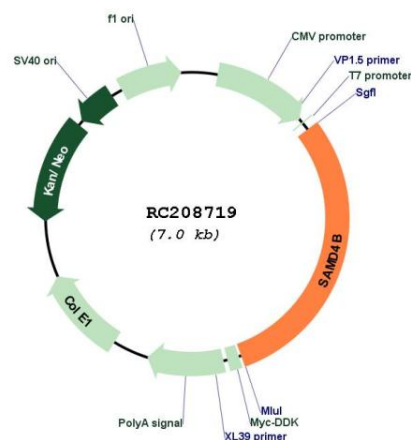


ACCN: NM_018028

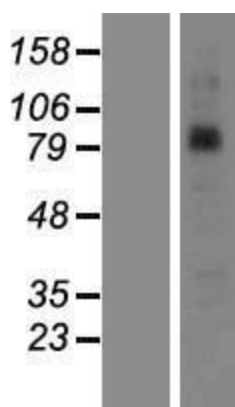
ORF Size: 2082 bp

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
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018028.4
RefSeq Size:	4543 bp
RefSeq ORF:	2085 bp
Locus ID:	55095
UniProt ID:	Q5PRF9
Cytogenetics:	19q13.2
MW:	75.5 kDa
Gene Summary:	Has transcriptional repressor activity. Overexpression inhibits the transcriptional activities of AP-1, p53/TP53 and CDKN1A.[UniProtKB/Swiss-Prot Function]

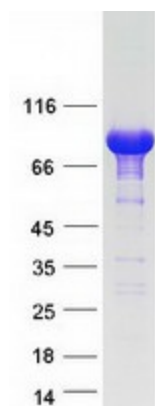
Product images:



Circular map for RC208719



Western blot validation of overexpression lysate (Cat# [LY413368]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208719 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SAMD4B protein (Cat# [TP308719]). The protein was produced from HEK293T cells transfected with SAMD4B cDNA clone (Cat# RC208719) using MegaTran 2.0 (Cat# [TT210002]).