

Product datasheet for **RR205559**

Samd8 (NM_001012040) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Samd8 (NM_001012040) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Samd8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205559 representing NM_001012040
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGCGCTAGCCGAGCCGGCTCCCGCCAGCGCTCCGGCTCCCTGCCCGGCCCTTCGGTCTGCCTC
 TTGAGGCGCTGAGCTCCGCCTACGCGCCGAGGACCCCGACTCCGACGGGCCATAGACACCGGCTCCGA
 GCTGGGTCCCGCAGCCCGCTCCACCCGCGGAGGAAGTAGAAGAGGAAATGGCAGGCCCTAGTCAACTC
 TGCATTCGCCGCTGGACTCCCAGGCATGTGGCGTGTGGCTGAAGGAGGAGGGGTTTTTTGAGTATGTGG
 ACATCTTATGTAACAAGCACCGTCTGGATGGAGTCACACTGCTCACGCTCACCGAGTATGATCTCCGCTC
 TCCTCCTCTGAAATCAAAGTCTAGGAGACATTAACCGCTAATGCTCTCAGTCCGAAAACGCAGAAA
 ACACACATTGATTTTTGGAAGAGATGGGTTACAACAGTGACAGTCCCATAAGTCCCATGACGCCATTCA
 TCAGTCCCTTCAGAGTGCAGACTGGCTCTGTAATGGAGAGCCTGCACACAGCTGTGATGGGCCATCCC
 TGATCTGAGCTCTGATCAGTACCAATACATGAATGGCAAGAACAAGCACTGTGCCGAAGACTGGACCCC
 GAGTACTGGAAGACCGTCTGAGCTGTGTATATGTCTTTATAGTATTTGGGTTCCACTCTTTCATTATGG
 TCATTGTTACAGAGCGAGTGCCTGACATGCAGACCTACCCACCACTCCCAGATATATTCTTAGACAGTGT
 TCCTAGGATCCCGTGGGCCTTCCATGACTGAAGTGTGTGGCATGATCCTGTGTACATCTGGATCCTG
 GTCCTCCTCCTTACAAGCACAGGTCAATCCTTCTGCGAAGGCTCTGTAGTCTGATGGGCACTGTATTCT
 TGCTTCGCTGTTACCATGTTTGTGACCTCCCTCTCCGTGCCAGGACAGCACCTGCAGTGTACTGGAAA
 GGTGATGGAAGTGTGTGGGAGAACTGCATCGGGCGTTGCCATTTGGAGTGGCTTCGGCATGACTCTG
 ACGGGCGTGCACACTGTGGGGATTACATGTTTCAGTGGCCACACCGTTGCTCTAACCATGCTGAATTTCT
 TTGTCACAGAATACGCCAAGAAGCTGGAATTTCTTGCACACTCTCTCGTGGGTTCTCAACCTCTTGG
 AATCTTCTCATCTTGGCTGCCCATGAACATTATTCATTGACGTGTTTATTGCCTTTTATATCACAA
 AGACTCTTTTTGTACTACCACACTCTGGCTAATACCAGAGCGTATCACCAGAGCAGGAGAGCGAGAATTT
 GGTTCCTATGTTTTCTTCTTGAATGCAATGTTAATGGCACAGTACCTAATGAATATTGTTGGCCATT
 TTCTAAACCAGCAATAATGAAAAGACTAATTGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205559 representing NM_001012040
 Red=Cloning site Green=Tags(s)

MPARSRAGSRQRSGLPRPSRLPLEALSSAYAPRTPDSGAI DTGSELGPGSPAPTAEVEEEMAGPSQL
 CIRRWTPRHVAVWLKEEGFFEYVDILCNKHRLDGVTLTLTEYDLRSPPLEIKVLGDIKRLMLSVRKLQK
 THIDVLEEMGYNSDPI SPMPFISALQSADWLCNGEPAHSCDGPIDLSSDQYQYMNGKNKHCARRLDP
 EYWKTVLSVYVIVFGFTSFIMVIVHERVPMQTYPLPDIFLDSVPRI PWAFSMTEVCGMILCYIWIL
 VLLLHKHRSILLRRLCSLMGTVFLRLCF TMFVTSLSVPGQHLQCTGKVYGSVWEKLRHFAIWSGFGMTL
 TGVHTCGDYMFSGHTVVL TMLNFFVTEYTPRSWNFLHTLSWVLNLF GIFFILAAHEHYSIDVFI AFYITT
 RLFLYHTLANTRAYHQRRARIWPFMF SFFECNVNGTVPNEYCWPFSKPAIMKRLIG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001012040

ORF Size: 1434 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_001012040.1](#), [NP_001012040.1](#)

RefSeq Size: 1567 bp

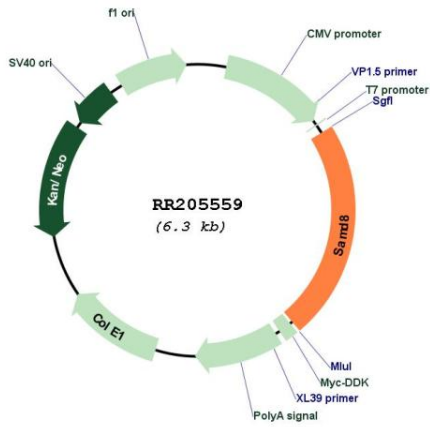
RefSeq ORF: 1437 bp

Locus ID: 305684

Cytogenetics: 15p16

MW: 54.7 kDa

Product images:



Circular map for RR205559