

Product datasheet for RC227622

mSin3A (SIN3A) (NM_001145358) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	mSin3A (SIN3A) (NM_001145358) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	mSin3A
Synonyms:	WITKOS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227622 representing NM_001145358 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGAAGCGCGTTTGGATGACCAGGAGTCACCGGTGTATGCAGCCAGCAGCGTCGGATCCCTGGCAGCA
CAGAGGCTTTTCCTCACCAGCACCGGTGCTTGCCCTGCCCTCCTGTGTATGAAGCAGTGTCTGAGAC
CATGCAGTCAGCTACGGGAATTCAGTACTCTGTAACACCCAGCTACCAGGTTTCAGCCATGCCACAGAGC
TCCGGCAGTCATGGGCCGCTATAGCAGCAGTTCATAGCAGCCATCATCACCAACAGCGGTGCAGCCCC
ACGGAGGCCAGGTGGTCCAGAGTCATGCTCATCCAGCCCCACCAGTTGCACCAGTGCAGGGACAGCAGCA
ATTTTCAGAGGCTGAAGGTGGAGGATGCGCTATCTTATCTTGACCAGGTGAAGCTGCAGTTTGGTAGTCAG
CCTCAGGTCTACAATGATTTTCCTTGACATCATGAAGGAATTTAAATCTCAGAGCATCGACACCCCAAGGAG
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CCCTGGCTACAAAATTGAGGTGCAAACCAATGACATGGTGAATGTGACAACTCCTGGCCAGGTTTCATCAG
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AGCACATACTCCGGCCAGTCAGCAGACTCCCCACTTCCACCGTATGCATCCCCACGTTCTCCGCCGGTC
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TGATTCTGTGAGAAATGATCATGGAGGCACTGTCAAGAAGCCCCAACTGAACAACAAGCCGAGAGGCC
AGCCAGAAATGGCTGCCAGATCCGAGACATCTACAGGAACCACCCCTCCAGTTAAGAAGAAACCCAAAC
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AACCAGGAGGTGATCTCTCGTGCTGAGCTTGTCACACTAGTCTCTCCTTTCTGGGAAATTCCTGAGT
TGTTAATTGGTTTAAAACTTTCTGGGCTATAAGGAGTCTGTACATCTGGAACTTATCCAAAGGAGCG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227622 representing NM_001145358
 Red=Cloning site Green=Tags(s)

MKRRLLDDQESPVYAAQRRIPGSTEAFPHQHRVLAAPPVYEAVSETMQSATGIQYSVTPSYQVSAMPQS
 SGGSHGPAIAAVHSSHHHTAVQPHGGQVVQSHAHPAPPVAPVQGGQQFQRLKVEDALSYLDQVKLQFGSQ
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 IPTHGIQPPQPPPPHPSQPSAQSAAPAQAQAPQPPPAKVSKPSQLQAHTPASQQTPPLPPYASPRSPV
 QPHTPVTISLGTAPSLQNNQPVEFNHAINVYVNIKNRFQGPDIYKAFLEILHTYQKEQRNAKEAGGNYT
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 SQNGCQIRRHPTGTPPVKPKKLLNLKDSMADASKHSGGTESLFFDKVRKALRSAAEYENFLRCLVIF
 NQEVISRAELVQLVSPFLGKPELFWFNFLGYKESVHLETPKERATEGIAMEIDYASCKRLGSSYRA
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 RVLEAIQKKLSRLSAEEQAKFRDNTLGGTSEVIHRKALQRIYADKAADIIDGLRKNPSIAVPIVLKRLK
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 VPVGPLSLAYEDKQILEDAALIIHHVKRQTGIQKEDKYKIKQIMHHFIPDLLFAQRGDLSDVEEEEE
 EMDVDEATGAVKKHNGVGGSPKSKLLFNNTAAQKLRGMDEVYVNFYVNNWYIFMRLHQILCLRLLRIC
 SQAERQIEENREREWEREVLGIKRDKSDPAIQLRLKEPMDVDVEDYPAFLDMVRSLLDGNIDSSQYE
 DSLREMFTHAYIAFTMDKLIQSIVRQLQHIVSDEICVQVTDLYLAENNGATGGQLNTQNSRSLLESTY
 QRKAEQLMSDENCFLKMFIQSQGQVQLTIELLDTEENSDDPVEAERWSDYVERYMNSDTTSPELREHLA
 QKPVFLPRNLRRIRKCRQGREQQEKEGKGNKSKTMENVDSLKLECRFKLNSYKMVYVIKSEDYMYRRT
 ALLRAHQSHERSKRLHQRFAWVDKWTKEHVPREMAAETSKWLMGEGLEGLVPCITTTCDTETLHFVVSIN
 KYRVKYGTVFKAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2919_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145358

ORF Size: 3819 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.

RefSeq: [NM_001145358.1](#), [NP_001138830.1](#)

RefSeq ORF: 3822 bp

Locus ID: 25942

UniProt ID: [Q96ST3](#)

Cytogenetics: 15q24.2

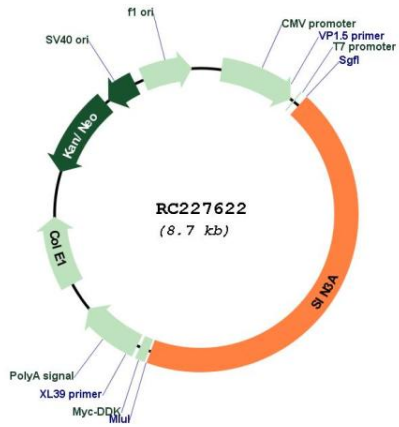
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Huntington's disease

MW: 145 kDa

Gene Summary: The protein encoded by this gene is a transcriptional regulatory protein. It contains paired amphipathic helix (PAH) domains, which are important for protein-protein interactions and may mediate repression by the Mad-Max complex. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC227622