

Product datasheet for RC227540

mSin3A (SIN3A) (NM_001145357) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	mSin3A (SIN3A) (NM_001145357) 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:	>RC227540 representing NM_001145357 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCGCGTTTGGATGACCAGGAGTCACCGGTGTATGCAGCCAGCAGCGTCGGATCCCTGGCAGCA
CAGAGGCTTTTCCTCACCAGCACCGGTGCTTGCCCTGCCCTCCTGTGTATGAAGCAGTGTCTGAGAC
CATGCAGTCAGCTACGGGAATTCAGTACTCTGTAACACCCAGCTACCAGGTTTCAGCCATGCCACAGAGC
TCCGGCAGTCATGGGCCGCTATAGCAGCAGTTCATAGCAGCCATCATCACCAACAGCGGTGCAGCCCC
ACGGAGGCCAGGTGGTCCAGAGTCATGCTCATCCAGCCCCACCAGTTGCACCAGTGCAGGGACAGCAGCA
ATTTCCAGAGGCTGAAGGTGGAGGATGCGCTATCTTATCTTGACCAGGTGAAGCTGCAGTTTGGTAGTCAG
CCTCAGGTCTACAATGATTTTCCTTGACATCATGAAGGAATTTAAATCTCAGAGCATCGACACCCAGGAG
TGATTAGTCGTGTGCCAGCTATTCAAAGGCCACCCCGATCTGATAATGGGATTC AACACCTTCTTGCC
CCCTGGCTACAAAATTGAGGTGCAAACCAATGACATGGTGAATGTGACAACTCCTGGCCAGGTTTCATCAG
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CAGCCCCAGCTCCTGCCAGCCAGCTCCTCAGCCCCACCTGCCAAAGTCAGCAAGCCCTCCCAACTGCA
AGCACACTCCGGCCAGTCAGCAGACTCCCCACTTCCACCGTATGCATCCCCACGTTCTCCGCCGGTC
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AACCAGGAGGTGATCTCTCGTGCTGAGCTTGTCACACTAGTCTCTCCTTTCTGGGAAATTCCTGAGT
TGTTAATTGGTTTAAAACTTTCTGGGCTATAAGGAGTCTGTACATCTGGAACTTATCCAAAGGAGCG
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AAGTATCGTGTCAAATACGGCACAGTATTCAAAGCCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227540 representing NM_001145357
 Red=Cloning site Green=Tags(s)

MKRRLLDDQESPVYAAQRRIPGSTEAFPHQHRVLPAPPVYEAVSETMQSATGIQYSVTPSYQVSAMPQS
 SGGSHGPAIAAVHSSHHHTAVQPHGGQVVQSHAHPAPPVAPVQGGQQFQRLKVEDALSYLDQVKLQFGSQ
 PQVYNDFLDIMKEFKSQSIDTPGVISRVSQLFKGHPDLIMGFNTFLPPGYKIEVQTNDMVNVTTPGVHQ
 IPTHGIQPQPQPPQHPSPQSAQSAPAPAQAPQPPPAKVSKPSQLQAHTPASQQTPPLPPYASPRSPV
 QPHTPVTISLGTAPSLQNNQPVEFNHAINYVVKIKNRFQGPDIYKAFLEILHTYQKEQRNAKEAGGNYT
 PALTEQEYVAQVARLFKNQEDLLSEFGQFLPDANSSVLLSKTTAEKVDSVRNDHGGTVKPKQLNNKPQRP
 SQNGCQIRRHPTGTPPVKPKKLLNLKDSMADASKHSGGTESLFFDKVRKALRSAEAYENFLRCLVIF
 NQEVISRAELVQLVSPFLGKPELFWFNFLGYKESVHLETPKERATEGIAMEIDYASCKRLGSSYRA
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 MKEEEWREAQRGFNKVWREQNEKYLLKSLDHQGINFKQNDTKVLRSKSLLEIESIYDERQEATEENAG
 VPVGPHLSLAYEDKQILEDAALIIHHVKRQTGIQKEDKYKIKQIMHHFIPDLLFAQRGDLSDVEEEEE
 EMDVDEATGAVKKHNGVGGSPKSKLLFNNTAAQKLRGMDEVNLFYVNNWYIFMRLHQILCLRLLRIC
 SQAERQIEENREREWEREVLGIKRDKSDPAIQLRLKEPMDVDVEDYPAFLDMVRSLLDGNIDSSQYE
 DSLREMFTHAYIAFTMDKLIQSIVRQLQHIVSDEICVQVTDLYLAENNGATGGQLNTQNSRSLLESTY
 QRKAEQLMSDENCFLKMFIQSQGQVQLTIELLDTEENSDDPVEAERWSDYVERYMNSDTTSPELREHLA
 QKPVFLPRNLRRIRKCRQGREQQEKEGKEGNSKTMENVDSLDKLECRFKLNSYKMVYVIKSEDYMYRRT
 ALLRAHQSHERSKRLHQRFAQWVDKWTKEHVPREMAAETSKWLMGEGLEGLVPCITTTCDTETLHFVVSIN
 KYRVKYGTVFKAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Restriction Sites: SgfI-MluI

Cloning Scheme:

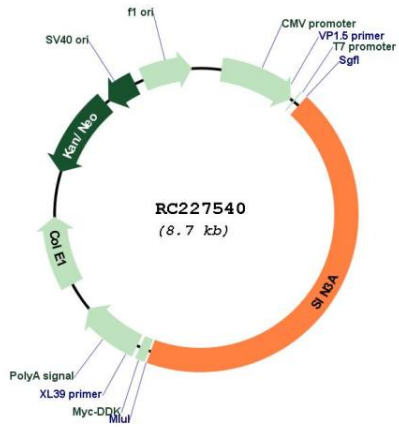


ACCN: NM_001145357

ORF Size: 3819 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:	<ol style="list-style-type: none">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_001145357.1 , NP_001138829.1
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 RC227540