

## Product datasheet for **SC101183**

### mSin3A (SIN3A) (NM\_015477) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	mSin3A (SIN3A) (NM_015477) Human Untagged Clone
Tag:	Tag Free
Symbol:	mSin3A
Synonyms:	WITKOS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015477, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCGCGTTTGGATGACCAGGAGTCACCGGTGTATGCAGCCAGCAGCGTCGGATCCCTGGCAGCA
CAGAGGCTTTTCTCACCAGCACCGGGTCTTGCCCTGCCCTCCTGTGTATGAAGCAGTGTCTGAGAC
CATGCAGTCAGCTACGGGAATTCAGTACTCTGTAACACCCAGCTACCAGGTTTCAGCCATGCCACAGAGC
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TGATTAGTCGTGTGTCCCAGCTATTCAAAGGCCACCCCGATCTGATAATGGGATTCAACACCTTCTTGCC
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AGCCACAGAGGGCATTGCTATGGAGATAGATTATGCTTCTTGTAACGATTGGGCTCCAGCTATCGAGCC  
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 TAGATAAATGGACCAAGGAGCATGTGCCCGTGAATGGCAGCAGAGACCAGCAAGTGGCTCATGGGTGA  
 GGGGCTGGAGGGCCTGGTCCCCTGTACCACCACCTGTGATACAGAGACCCTGCATTTTGTGAGCATTAA  
 AAGTATCGTGCAAAATACGGCACAGTATTCAAAGCCCCTTAA

**5' Read Nucleotide  
 Sequence:**

>OriGene 5' read for NM\_015477 unedited  
 TTCAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACCAGCTCGCCTGGCTC  
 GGAAGGTTTTGTAGTGCATCCCTGAGCATGAGCACAGAATGAAGCGGCGTTTGGATGACC  
 AGGAGTACCCGGTGTATGCAGCCCAGCAGCGTCCGATCCCTGGCAGCACAGAGGCTTTTC  
 CTCACCAGCACCCGGTGTCTGCCCCTGCCCTCCTGTGTATGAAGCAGTGTCTGAGACCA  
 TGCAGTACGCTACGGGAATTCAGTACTCTGTAACACCCAGCTACCAGGTTTCAGCCATGC  
 CACAGAGCTCCGGCAGTCATGGGCCGCTATAGCAGCAGTTCATAGCAGCCATCATCACC  
 CAACAGCGGTGCAGCCCCACGGAGGCCAGGTGGTCCAGAGTATGCTCATCCAGCCCCAC  
 CAGTTGCACCAGTGCAGGGACAGCAGCAATTCAGAGGCTGAAGGTGGAGGATGCGCTAT  
 CTTATCTTGACCAGGTGAAGCTGCAGTTTGGTGTAGTCAAGCTCAGGCTACAATGATTTCC  
 TTGACATCATGAAGGAATTTAAATCTCAGAGCATCGACACCCAGGAGTATTAGTCGTG  
 TGTCCCAGCTATTCAAAGGCCACCCCGATCTGATAATGGGATTCACACCTTCTTGCCCC  
 CTGGCTACAAAAATTGAGGTGCAAAACCAATGACATGGTGAATGTGACAACCTCCTGGCCAGG  
 TTCATCAGATTCCCACCCATGGCATCCAGCCACANGCCTCACCACCACCCCAACATCCTT  
 CCCAGCCTTCAGCCCAGTCAGCCCCAGCTTCTGCCAGCCAGCTNCTCAGCCCCACCTGC  
 CAAAGTAGCAAGCCCTTCCACTGCAGCACATACTCCGGNCAGTCAAGCAGACTCCCCACTT  
 TCACGNTGCATNCCCACGTCTCGNCGGTCANCTCAACACAGTGAATCTCGTGGGACGGC  
 CCTNCT

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_015477 unedited NAAATTAGCTNTGNACCGCGCGCCGTATNCTANGATCGAGTTAGCACATCAAAGCATATTTCTTTTAATAAAAAATTGACAGTTTG TACATTATGTACAAAAAACAAGTTAAAATTGTGTGTGTGTGTGCGTGTGTGTGCAAAA AGTAAAGCTGGTGGATGGCACTAAGGTAGACTAGTAAAGAGGCAGATACCAAACAGTTCC ACGGGAGCTAAAAAGGACAACCTGATTTGAACTCGTTGAGGTTGAGAACCAGAGGAGAGAA AAGGGTAGGCAGCAAGGGAATCGTCAGGAATAAAATCCACAAGATGATCAATCCCAAAGC CAAACTGCAGGTCCCAGATAAAACCTAATGGGTGATCTTAGATGTGCTCGAGTGACCAGA AAAAAAATCAAATCCAGCTTTTTTTTCTTTTGTGGGGAGGGGAGAGGACCANTGACCA TGATAGTTCCAATCCATCTGAGTATTAAGTCCTTCTCCAGTCTGTTTTGTAATGCATCT CCATCCAGTCAAAGTGTGAACAGCATCCGGTCCCTCATTGAAAGTTAGGCCACAGGAGA CTCCAGTCTTAACTCTGCTGGTGTGTGCAAGCAAACCTGCATGTCTTTGCTTGCATGGACT TCCTTCCCCTCCAGGGCAGGCTATACCCAAAACCTTTGGGAAAAGTTCCAGCTTCAGCT TTGTAAGGTATTCATGTTCCTAACAGGTAGCCCACTTGGTGCCAGGCTGCACCAGCCACA CACAGGTACAGGTGCCATGTCCCAAAAGCCCAATGAAGCTTGAAGGCATCCTCCTTGTT TCTTCATGTGTGAGTGCATAAGCCCCACACACATCCCCACCACACCCAGTTTCTGCTCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015477
<b>Insert Size:</b>	4700 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_015477.1</a> , <a href="#">NP_056292.1</a>
<b>RefSeq Size:</b>	5136 bp
<b>RefSeq ORF:</b>	3822 bp
<b>Locus ID:</b>	25942
<b>UniProt ID:</b>	<a href="#">Q96ST3</a>
<b>Cytogenetics:</b>	15q24.2
<b>Domains:</b>	PAH
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

**Protein Pathways:** Huntington's disease

**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]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.