

Product datasheet for **RR204652**

Sox13 (NM_001105952) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox13 (NM_001105952) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sox13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204652 representing NM_001105952
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCGTGCAGAGCCCCGTCTCTGTGCAGCTGGCCCCAGACAGCGCTAGCACCATGGTGAAGTGCACCG
 TCAAGTCTGAGGAGAAGAAGGAGCCTTGCCACGAAGCTCCCAAGGCACAGCCACTGCAGTGGAGCCCCA
 GCCTGGAGACCCAGCCCTGGCCTCTCAGGATGCCACCAACTCCAAGCCCTGCTCAGGACTGTGCCTCA
 CCACAGAGCAGTGGGTCCCCAGACCCCAAGAGACCAGCAGCTTCCGAGGCTGCTTCGGAAGCCAGGAGC
 GGCTGGACTTCAACCGCAACTTACAGGAAGTTGTTCCAGCCATTGAGAAGCTGCTGTCCAGTACTGGAA
 GGAGAGGTTTCTGGGAAGAAGCTCTGTGGAAGTAAGGATGTCAAAGGGACCCAAGAGAGCCTGGCTGAG
 AAGGAGCTCCAGCTTCTGGTCATGATCCATCAGCTCTCCGCCCTTCGGGACCAGCTCCTACGGCCACT
 CTGAGCAGAAGAACATGGCTGCCATGCTGTTTGAAGAACAGCAGCAGCAGATGGAAGTGGCCAGGCAGCA
 GCAGGAGCAGATGCCAAGCAACAGCAGCAGCTGATTGAGCAGCAGCACAAAGATCAACCTCCTCCAGCAG
 CAGATCCAGGTTAACATGCCTTATGTCATGATCCCGGCCCTTCCCTCAAGTACCCAGCCTTTGCCTGTCA
 CTCTGACTCCCAGCTGGCTTGGCCATTGAGCCATTCCCTGCAAGCCAGTGGAGTACCCACTGCAGCT
 GCTGCACAGCCCGCTGCCCCCGTGGTGAAGAGCCCTGGGGTGGCCACCCACCACCCCTGCAGGAGCCC
 CCACAACCACTGAACCTCACAGCCAAGCCCAAGGCTCTGTGAGCTACCCAACACCTCCAGCTCTCCAGCC
 TGAAGATGAACAGTTGTGGGCTCGCCCTCCAGCCATGGGGCTCCCAAGGGATCTGCAGTCCAGCCC
 CCCGAACCTGCCTCTGGGCTTCTTGGGAAGGGGACGCTGTACCAAGCCATCCAGGATGCTCGGCAA
 CTGCTACACAGCCACAGTGGGCTTGGAAAACCCCCAGTCCCCATCCGAAAGGACCTCATCAGCC
 TGGACTCTCCAGCCCAAGGAGCGGCTGGAGGAGAAGTGTGTGATCCCTGGAGGAAGCCATGCTGGG
 CTGTGAGTGGATGGCTCTCGCCATTTCTCGAGTCTCGGAACAGCAGCCACATCAAGAGACCCATGAAT
 GCCTTCATGTTGTGGCCAAGGATGAGCGGAGGAAAATTCTTCAAGCCTTCCAGATATGCATAACTCCA
 GCATCAGCAAGATCCTTGGTTCTCGCTGGAAGTCCATGACCAACCAGGAGAAGCAGCCGACTACGAGGA
 GCAGGCCCGTCTGAGCCGACAGCACCTGGAGAAAATCCCGACTACAAGTACAAGCAAGGCCTAAACGC
 ACCTGTGTCTGGAGGGCCGGCGGCTGCGAGTGGGCGAGTACAAAGCCCTGATGAGGACACGGCCAGG
 GTGCTCGCAAAGCTACGCCATCCCCCGCAGGCTGGCCAGGCACAGGTGAGCTCAGATATCCTGTTCCC
 TCGGGCAGCAGGCATGCCCTGGCACGTCCACTGGTGGAGCACTATGACCCCGAGGCTGGACCCCAAC
 ATGCCCTGTATCATCAATACCTGCAGTCTCCGGGAGGAAGGGGAGGGCACAGATGACAGGCACTCGTGG
 CCGATGGAGAGATGTACCGGTACAGCGAGGATGAGGACTCAGAGGTTGACGAGAAGAGTGGAGGAGCT
 GGTGTAATCACAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204652 representing NM_001105952
 Red=Cloning site Green=Tags(s)

MSVQSPVSVQLAPDSASTMVNCTVKSEEKKEPCHEAPQGTATAVEPQPGDPALASQDATNSKAPAQDCAS
 PQSSGSPDPKRPAAEEAASGSQERLDFNRNLQEVVPAIEKLLSSDWKERFLGRSSVEAKDVKGTQESLAE
 KELQLLVMIHQLSALRDQLLTAHSEQKNMAAMLFEKQQQMELARQQEQEIAKQQQLIQQHKINLLQQ
 QIQVNMPIVMIAPFPSSHQPLPVTPLDQLALPIQPIPKPVEYPLQLLHSPAPVVKRPGVATHHPLQEP
 PQPLNLTAKPKVSELNPTSSPSLKMNSCGPRPSSHGAPTRDLQSSPPNLPGLFEGDAVTKAIQDARQ
 LLHSHSGALENSPSAPFRKDLISLDSSPAKERLEENCVHPLEEAMLGCDVDGSRHFSESRNSSHIKRPMM
 AFMVWAKDERRKILQAFPMHNSISKILGSRWKSMTNQEKPYYEEQARLSRQHLEKYPDYKYKPRPKR
 TCVVEGRRLRVGEYKALMRTTRRQGARQSYAIPPQAGQAQVSSDILFPRAAGMPLARPLVEHYDPQLDPN
 MPVIINTCSLREEEGEDDRHSVADGEMYRYSEDEDESEGDEKSEEELVVLTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001105952.1 , NP_001099422.1
RefSeq Size:	3563 bp
RefSeq ORF:	1839 bp
Locus ID:	289026
Cytogenetics:	13q13
MW:	67.9 kDa