

Product datasheet for **RR200555**

Six1 (NM_053759) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Six1 (NM_053759) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Six1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR200555 representing NM_053759 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGATGCTGCCGTCGTTTGGTTTTACTCAAGAGCAAGTGGCGTGCCTGTGCGAGGTTCTGCAGCAAG
GAGGGAACCTGGAACGCCTGGGCAGGTTCTTGTGGTCGTTGCCCGCCTGCGATCACCTGCACAAGAACGA
GAGCGTGCTCAAGGCCAAGGCGGTGGTCGCCTCCACCGCGCAACTCCGCGAGCTCTACAAGATCCTG
GAGAGCCACCAGTTCTCGCCTCACAACCATCCAAATTGCAGCAGCTGTGGCTGAAAGCGCACTACGTGG
AGGCCGAGAAACTTCGCGGCCACCCCTGGGTGCCGTGGGCAAATATCGGGTGCAGGAAATCCCGTT
GCCGCGCACCATCTGGGATGGCGAAGAGACTAGCTACTGTTTTAAGGAGAAGTCTCGGGCGTGCTGAGG
GAGTGGTACGCGCACAACCCCTACCCCTCGCCGCGGAGAAAGCGGAGCTGGCCGAGGCTACGGCCTCA
CCACCACCAGGTGAGCAACTGGTTTAAGAACCGAGGCAAAGAGACCGGCCGCGAGGCCAAGGAAAG
GGAGAACACCGAAAACAATAACTCCTCCTCAACAAGCAGAATCAACTCTCCTCTGGAAGGGGCAAG
CCGCTCATGTCCAGCTCAGAAGAGGAATTCTCACCTCCCAAAGTCCAGACCAGAACTCGGTCTCCTGC
TCCAGAGCAATATGGGCCATGCCAGGAGCTCAAATATTCTTCCGGGCTAACGGCTCACAGCCAG
CCATGGCCTGCAGGCTCATCAGCACCAGCTCCAGGACTCTGCTGGGCCGCTCACCTCCAGTCTGGT
GACTTGGGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



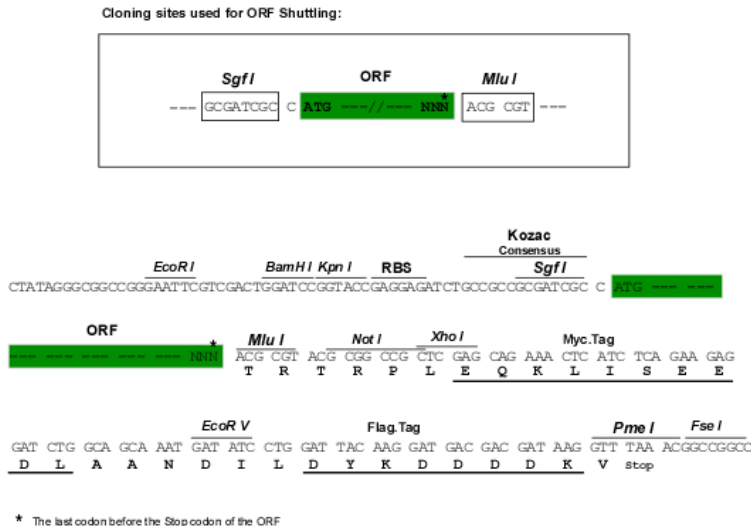
Protein Sequence: >RR200555 representing NM_053759
 Red=Cloning site Green=Tags(s)

MSMLPSFGFTQEQVACVCEVLQQGGNLERLGRFLWSLPACDHLHKNESVLKAKAVVAFHRGNFRELYKIL
 ESHQFSPHNHPKLQQLWLKAHYVEAEKLRGRPLGAVGKYRVRKFLPRTIWDGEETSYCFKEKSRGVLR
 EYAHNPYPSPREKRELAATGLTTTQVSNWFKNRRQRDRAAEAKERENTENNSSSNKQNLSPLEGGK
 PLMSSEEEFSPQSPDQNSVLLQLSNMGHARSSNYSLPGLTASQPSHGLQAHQHQLQDSSLGPLTSSLV
 DLGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053759

ORF Size: 852 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_053759.1](#), [NP_446211.1](#)

RefSeq Size: 3188 bp

RefSeq ORF: 855 bp

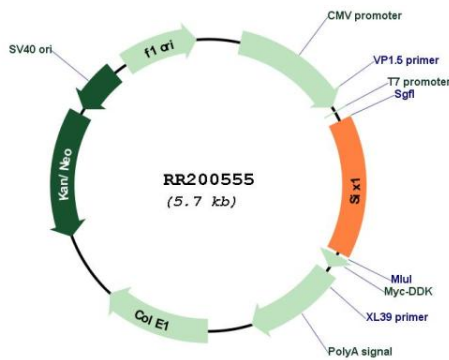
Locus ID: 114634

Cytogenetics: 6q24

MW: 32.2 kDa

Gene Summary: homeobox gene; may be involved in transcription of optic nerve genes [RGD, Feb 2006]

Product images:



Circular map for RR200555