

Product datasheet for **RR201441**

Six3 (NM_023990) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Six3 (NM_023990) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Six3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201441 representing NM_023990 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGTATCCGCTCCCCCTAGACCTCTATTCTCCCACTTCTTGTGGCAAACCTCGCCGATTCTCACC
ACTGCTCCCTACTTCTGGCGAGTAGCGGCGGGGAGCGGTGCGGGCGGGCGGGCGGGAGGAGG
CGGCGGGCGGGCGGGGAAACCGTGGGGAGGCGGGTGTGGCGGAGCAGGCGGGCGGGCGGG
GGCGGGCGGGCTCCAGGGCCCCCGGAAGATTGTCCATGTTCCAGCTGCCACCCCTCAACTTCTCGC
CGGAGCAGGTGGCCAGCGTCTGCGAGACGCTGGAGGAGACGGGCGACATCGAGCGGTGGGCCCTCCT
CTGGTCGCTGCCCGTGGCCCTGGGGCGTGGAGGCCATCAACAACACGAGTCGATCCTGCGCGCGCGC
GCCGTCGTCGCTTCCACACCGCAACTCCGAGACCTGTACCACATCCTGGAGAATCACAAGTTCACCA
AGGAGTCTCACGGCAAGCTGCAGGCCATGTGGCTCGAGGCGCACTACCAGGAGGCCGAGAAGCTGCGCGG
CCGCCCTCTCGGCCCGTGGACAAGTACCGCGTGGCAAGAAGTCCCTCTGCCGCGCACCATCTGGGAT
GGGAGCAGAAGACCCATTGCTTCAAGGAGCGGACTCGGAGCCTGCTGCGGGAATGGTACCTGCAGGATC
CCTACCCCAACCCAGCAAGAAACGAGAAGTGGCGCAGGCCACCGCCTCACCCACACAAGTAGGCAA
CTGTTTTAAGAACCAGGACAGCGGACCGCGCAGCGGGCCAGAAGAGGCTCCAGCACCAGGCCATC
GGGCCAGCGGGATGCGCTCGTGGCCAGCCCGCTGCCACGCACGGCTCAGCAGAGTACCGTCCA
CGGCAGCCAGTCCGACCACAGTGTGTCCAGCCTGACGGAGCGCGGACACTGGCACTTCTATCTCTC
GGTAACCTCCAGCGACTCGGAATGTGATGTAGGTAACCTCCAGCGACTCGGAATGTGATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201441 representing NM_023990
 Red=Cloning site Green=Tags(s)

MVFRSPLDLYSSHFLLPNFADSHHCSLLASSGGGSGAGGGGAGGGGGGGGNRAGGGGAGGAGGGGGG
 GGGGSRAPPEELSMFQLPTLNF SPEQVASVCETLEETGDIERLGRFLWSPVAPGACEAINKHESILRAR
 AVVAFHTGNFRDLYHILENHKFTKESHGKLQAMWLEAHYQAEKLRGRPLGPVDKYRVRKKFPLPRTIWD
 GEQKTHCFKERTSLLREWYLQDPYPNPSKKRELAQATGLTPTQVGNWFKNRRQRDRAAAAKNRLQHQA
 GPSGMRSLAEPGCPHTGSAESPSTAASPTTSVSSLTERADTGTSSILSVTSSDSECDVGNLQRLGM*C

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_023990

ORF Size: 1011 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 Size: 1598 bp

RefSeq ORF: 1014 bp

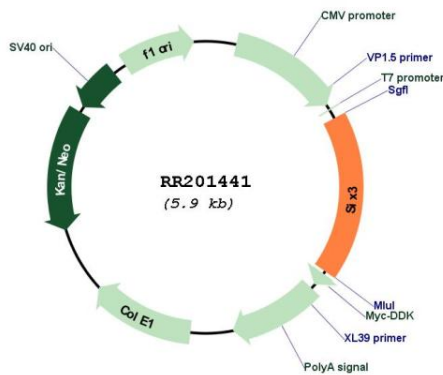
Locus ID: 78974

Cytogenetics: 6q12

MW: 35.8 kDa

Gene Summary: a homeobox protein that interacts with orphan nuclear receptor NOR-1 [RGD, Feb 2006]

Product images:



Circular map for RR201441