

Product datasheet for **RR210594**

St14 (NM_053635) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St14 (NM_053635) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St14
Synonyms:	MT-SP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR210594 representing NM_053635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAACAATCGGGCCGCAAGGCCGAGGGGGCTCGCAGGACTTCGGCGCCGGACTCAAGTACAAC
 CCCGGCTAGAGAACATGAATGGCTTTGAGGAGGGTGTGGAGTTCTGCCTGTGAACAACGCCAAGCAGGT
 GGAGAAGCGAGGCCCCAGGCGCTGGGTGGTGTGGTGGCCGTAGTGTTCAGCTTCTTTTCTCTCGCTC
 ATGGCCGGCTTCTGGTGTGGCACTTCCATTACCGGAATGTGAGGATCCAAAAGGTCTTCAATGGCCATC
 TGAGGATCACGAATGAGAACTTCTGGACGCGTATGAGAACTCCACCTCCACGGAGTTTCATCAGCCTGGC
 CAGTCAGGTGAAGGAAGCGCTGAAGCTGATGTACAGTGAAGTCCCTGTCTGGGCCCTACCACAAGAAA
 TCGACTGTAATGCCTTCAGTGAGGGCAGCGTCATTGCCTACTACTGGTCAGAGTTCAGCATCCCCCAC
 ACCTGGAGGAAGAGGTTGATCGCGCCATGGCTGTGGAGCGAGTTGTCACACTGCCACCCCGAGCAGGGC
 ACTGAAATCCTTCGTGCTGACCTCTGTGGTGGCCTTCCCATTGACCCAGAATGCTCCAGAGGACTCAG
 GACAACAGCTGCAGTTTTGCCCTCCATGCCCGTGGCAGGACAGTGACACGTTTACTACCCCTGGCTTCC
 CTAACAGTCCCTACCCAGCTCATGCCCGCTGCCAGTGGGTCTGCGGGGGGACGCGGACTCTGTGCTGAG
 CCTCACCTTCCGAAGTTTTGATGTCGCGCCCTGTGATGGGCATGACAGTGACCTGGTTCACAGTGTATGAC
 AGCCTGAGCCCCATGGAGCCCCATGCTGTGGTGGCGGTGTGTGGCACCTTCTCGCCCTCTACAACCTGA
 CTTTCTCTCTCCAGAAGCTTCTCTTGTACGCTGATAACCAACTGACCGGGCAGCATCTGGCTT
 TGAGGCCACTTCTTCCAGCTGCCAAGATGAGCAGCTGTGGCGGCCCTTTGAGTGAAGCCCAAGGGACG
 TTTAGCAGCCCCACTATCCAGGCCATTACCCGCCAACATCACTGCACATGGAATATCAAGGTGCCCA
 ACAACCGAAGCTGAAAGTACGCTTCAAACCTTCTATCTGGTGGACCCCAACATACCAGTGGGAAGCT
 CACCAAGGACTATGTGGAGATCAACGGGGAGAAGTTCTGCGGTGAGAGGTCCAGTTTGTGGTGAGCAGC
 AACAGCAGCAAGATTACGGTCCACTTCCATTCTGATCACTCGTACACGGACACCGGGTCTGGCTGAGT
 ATCTCTCTACGACTCCAATGACCCATGCCAGGGATGTTTCATGTGTAAGACTGGACGGTGCATCCGCAA
 GGACTTGGCTGCGATGGCTGGGCTGACTGCCCGGACTACAGTGTGAGCGTCACTGCCGATGCAACGCT
 ACCCACCAGTTTCATGTGCAAGAACCAGTTCTGCAAGCCCTCTTCTGGTCTGTGACAGTGTCAACGACT
 GTGGGGATGGCAGCGATGAGGAGGGCTGCAGTTGTCTGCCGGGAGTTTCAAGTGTTCGAATGGGAAGTG
 TCTCCCTCAGAGCCAGCAGTGTAAATGGGAAGGACGACTGTGGAGATGGGTCTGACGAGGCCTCATGTGAC
 AATGTGAATGCCGTCTCTTGACCAAATATACCTACCGCTGCCAAAATGGCTCTGTCTGAACAAGGGCA
 ACCCTGAGTGTGATGGGAAGAAGGACTGCAGCGATGGCTCGGATGAGAAAAACTGTGACTGTGGGCTGCG
 ATCCTTTACCAAACAGGCTCGAGTGGTGGTGGCACAATGCGGACGAGGGCGAGTGGCCCTGGCAGGTG
 AGCCTCCACGCTCTGGGCCAGGGCCACTTGTGTGGGCCTCGCTCATCTCTCTGACTGGCTGGTCTCTG
 CAGTCAATGCTTTCAGGATGAGACAATTTTCAAGTACTCAGACCACACCATGTGGACAGCCTTCTCGG
 TCTGCTGGACCAGCAAGCGCAGTGCCTCTGGGGTACAGGAGCACAAGCTCAAACGTATCATCACTCAC
 CCTTCTTTAATGACTTACCTTCGACTATGACATTGCCTTGTGGAGCTGGAGAAGCCGGCAGAGTACA
 GCACTGTGTCGCCCCATCTGCCTGCCTGATAATACCCATGTCTTCTGCGGCAAAGCCATCTGGGT
 CACAGGCTGGGGCCACACGAAAGAAGGAGAACTGGAGCACTGATCCTGCAGAAGGGAGAGATCCGGGTC
 ATCAACCAGACCCTGTGAGGAACTTTCGCCGAGCAGATCACCCACGAATGATGTGTGGGTTTCC
 TCAAGTGGGGTGTGGACTCCTGCCAGGGTGATTCCGGTGGCCCTTGTCCAGTGTGGAGAAGATGGGCG
 AATCTTCCAGGCTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 AGGATCCCTGAAGTTCGGGACTGGATCAAAGAGCAAACCTGGGGTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

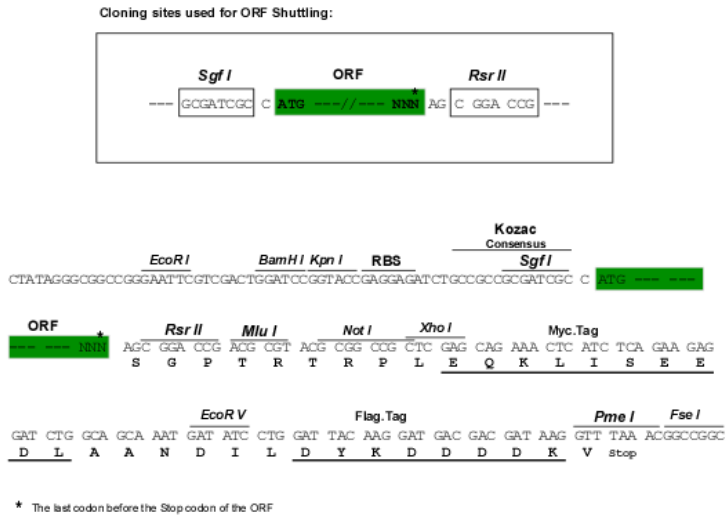
Protein Sequence: >RR210594 representing NM_053635
Red=Cloning site Green=Tags(s)

MGNNRGRKAGGGSQDFGAGLKYNSRLENMNGFEEGVFLLPVNNAKQVEKRGPRRWVMVAVVFSFLLLSL
MAGLLVWHFHRYNRVRIQKVFNGHLRITNENFLDAYENSTSTEFISLASQVKEALKLAMYSEVPVLGPYHKK
STVTAFSEGSVIAYYWSEFSIPPHLEEEVDRAVERVVTLPPRARALKSFVLTSVVAFPIDPRMLQRTQ
DNSCSFALHARGRTVTRFTTPGFPNSPYPAHARCQWVLRGDADSVLSLTFRSFDVAPCDGHSDLVTVYD
SLSPMEPHAVVRLCGTFSPSYNLTFLSSQNVFLVTLITNTDRRHDPGFATFFQLPKMSSCGGLLSEAQGT
FSSPYYPGHYPPNINCTWNIKVPNNRNKVRFKLFYLVDPNIPVGSCTKDYVEINGEKFCGERSQFVSS
NSSKITVHFHSDHSYTDTGFLAEYLSYDSNDPCPGMFCKTGRCIRKDLRCDGWADCPDYSDERHCRCNA
THQFMCKNQFCKPLFWCDSVNDGCGSDEEGCSCPAGSFKCSNGKCLPQSQQCNGKDDCGDGSDEASCD
NVNAVSTKYTYRCQNGLCLNKGNEPCDGKKDCSDGSEKNCDCGLRSFTKQARVVGGTNADEGEWPWQV
SLHALGQGHLCGASLISPDWLVSAAHCFQDETIFKYSDHMTWTAFLGLLDQSKRSASGVQEHKLRKIITH
PSFNDFTFDYDIALLELEKPAEYSTVVRPICALPDNTHVFPAGKAIWVTGWGHTKEGGTGALILQGEIRV
INQTTCEELLPQQITPRMCMCVGFLSGGVSDSCQGDSSGGLSSVEKDGRIFQAGVVSWECEGCAQRNKPGVYT
RIPEVRDWIKEQTGV

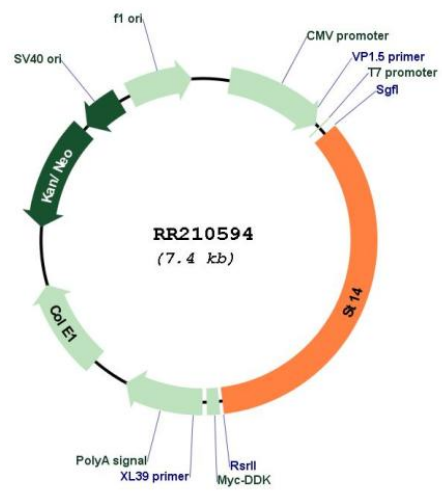
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN:	NM_053635
ORF Size:	2565 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_053635.2 , NP_446087.1
RefSeq Size:	3174 bp
RefSeq ORF:	2568 bp
Locus ID:	114093
Cytogenetics:	8q13
MW:	95 kDa
Gene Summary:	regulates the cell-substratum adhesion by controlling the intestinal epithelial turnover [RGD, Feb 2006]