

Product datasheet for **RR201264**

Sp100 (NM_001014220) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sp100 (NM_001014220) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sp100
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201264 representing NM_001014220
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGAAGGGAACAGCTTCAGCTCCAGGATGTCAGTGAACATGAGAATACAGAGACGTTCCCTTTGAAC
 TTATATTTCAACACTTCAAGAGACAGAAAGTGGCAATTTCTAATGCAATAAAAAATCCATTTCTTTTCT
 TGAGGGCTCCGAGATCATGAATTAATCACTGCTAAAATGTATGAAGATCTTCAAGATTCGTATAGAGCC
 CTGGTCCGTGTACAGGAAGTGATCTACAGAGCCCTGGATAAACTGGAGAAGATATTCAGCATGAAGGTCC
 TCTATGAAGTATTCAGTAATGTCAACATGGAGAAATATCCAGATTTGCAACTCATTATCAAAGCTTTGA
 ACGTGTGTACCAAATGGATTGTGTTTCCAAGGAGTGATGGAGGAGACCCAACTCCCAGCTGAGTCTT
 GAACAAGGACCTAATGGCAGCTGTTCTCAAGCAACCCTGACCTTGTACCCTTCAATCACTCCTTTTCTG
 ACGGCTGGGGAAGTAATGATAGACTAAATTCAGCCTCACCCATGGAAACCAAAGTGAATCATCAACT
 CCCCAGATCACCAAATCACCTTGGAGCTGTGCAACTCAACCATGACCTCCAAATTAATCCCTGTTCTGTG
 CGGCTGGTAGATATAAAGAAGGAAAATATATCATATTCTTTGGATGATAACCAACAGACCCAAGCAAGGA
 CTAAACGAAAATCAGGGCTCTGAGATAATAGAGCTCAGCAGTGATGAGGATTCTAATGATGAATCAACTT
 GTCAGAAGCCTCTACCTTAATCCTCTCCAAGCCAGAGACTGCACATTCCAGACAACCTCCCACCAAGA
 ACATACAGAAGAGGAGATACTTCTGATACCAGCAGCTCAAGCCTCGATAGAAGACGGAAAAGGACAGGAC
 GAATGTTGAGTAGCTCCTTCTGAACTGAGTTCTGGAGAGGAATCTGAGGAATTTCAAGAAGTGGATC
 AGGAAGATTAGGATGCCAGCCTCGGCCACTGGATGGCAGGAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201264 representing NM_001014220
 Red=Cloning site Green=Tags(s)

MEGNSFSSRMSSEHENTETFPFELIFQHFKRQKVAISNAIKNPFPFLEGLRDHELITAKMYEDLQDSYRA
 LVRVQVEIYRALDKLEKIFSMKVLVEYVSNVNMEKYPDLQLIYQSFERVLPNGLCFQRSDGGDPNSQLSL
 EQGPNNGSCSQATLTLSPFNHSFSDGWGSNDRLNSSLTHGNQSENHQLPGSPNHLGAVQLNHDLQINPCSV
 RLVDIKKENISYSLDDNQQTQARTNENQGEIIELSSEDESNDEINLSEASTLILSKPETAHSRQPPTPR
 TYRRGDTSDTSSSSLDRRRKRTGRMLSSSSSELSSGEESEFLRSGSGRLGCPASAHMMAGV

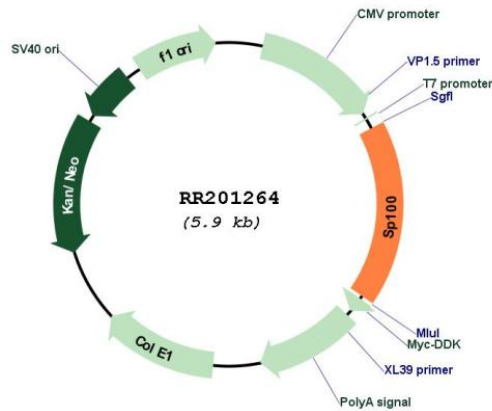
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001014220

ORF Size:	1026 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_001014220.1 , NP_001014242.1
RefSeq Size:	1662 bp
RefSeq ORF:	1029 bp
Locus ID:	363269
Cytogenetics:	9q35
MW:	38.4 kDa