

Product datasheet for **RR207674**

S100b (NM_013191) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: S100b (NM_013191) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: S100b
Synonyms: S100P
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207674 representing NM_013191
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTGAGCTGGAGAAGGCCATGGTTGCCCTCATTGATGTCTTCCATCAGTATTCAGGGAGAGAGGGTG
ACAAGCACAAGCTGAAGAAGTCAGAACTGAAGGAGCTCATCAACAACGAGCTCTCTCACTCCTGGAGGA
AATCAAAGAGCAGGAAGTGGTGGACAAAGTGATGGAGACGCTGGACGAAGATGGGGATGGGGAGTGTGAC
TTCCAGGAGTTTATGGCCTTCGTCTCCATGGTGACCACAGCCTGTCATGAGTTCTTTGAACATGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207674 representing NM_013191
Red=Cloning site Green=Tags(s)

MSELEKAMVALIDVFHQYSGREGDKHKLKSELKELINNELSHFLEEIKEQEVVDKVMETLDEDGDGECDD
FQEFMAFVSMVTTACHEFFEHE

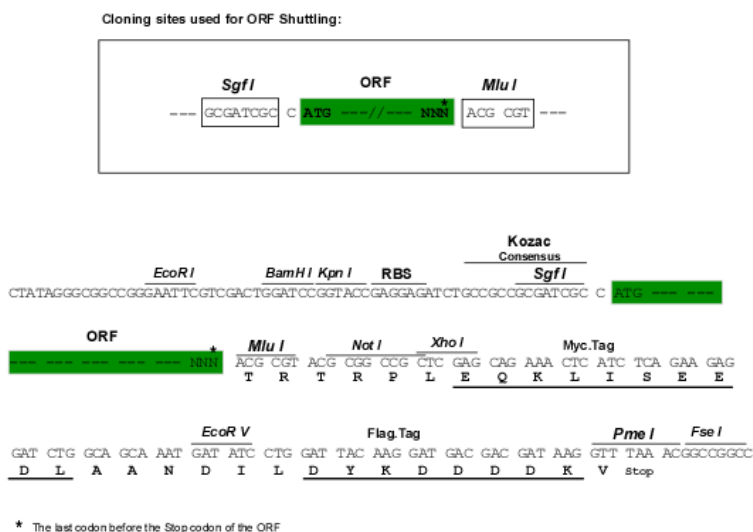
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

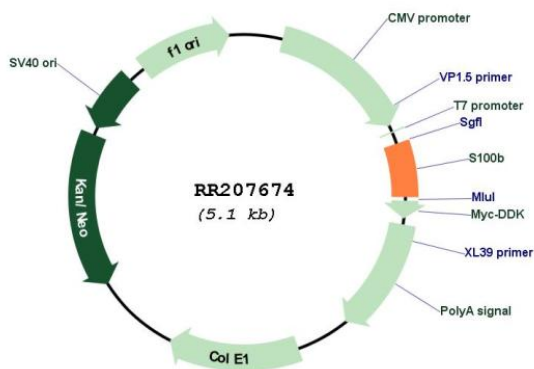


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Cloning Scheme:



Plasmid Map:



ACCN: NM_013191
 ORF Size: 276 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:	<u>NM_013191.1</u> , <u>NP_037323.1</u>
RefSeq Size:	1488 bp
RefSeq ORF:	279 bp
Locus ID:	25742
UniProt ID:	<u>P04631</u>
Cytogenetics:	20p12
MW:	10.7 kDa
Gene Summary:	binds GTPase activating protein IQGAP1; may play a role in cell membrane rearrangement [RGD, Feb 2006]