

## Product datasheet for **RR209663**

### S100pbp (NM\_001134628) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	S100pbp (NM_001134628) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	S100pbp
Synonyms:	RGD1564943
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209663 representing NM_001134628 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGTGCTCACTATTACCTCTGAACAGTCTTCTGGTACCTCTTTCTGCCTAAAGACAATGCCTCAT  
TTTCTTGGGTTCTCGGATGAAGATGAGTTGGATGACTCCTTGTGGAGTTTCTGACGGAGAAGAAGA  
TGATGGCCATTTCAAGTTTACAGAAAGAAGAGATTGAGATGCTCTTGAAGGACGATGATGGTGGGCATAAT  
GAGTATAGAGCGAGAAAGAGTCAAATTCACCCATACTCCTCAAGAAAATTCCTTGTACAGCTTGGGAC  
CAGCAGCTGAAACCCCTGGCTTCTCAAACCTCAACTAAGTCCATCAGTTGGTCATGGGCCAACTCC  
TAGTAAATCATTAAACAGACACTTTGTACTTGAAGAAGTCTTATAAAAAGTAACTGTTGTTGCACCATTT  
AATCCAACAGTTTGTGATCCTGTGCTTGATAAAGACAAGATCGATTCTCCAAAGAAACGGAAAAACCTG  
CCTCCCTCAGGAACAGACGAGAGAAGACGATCTTCATCCTAATGAGAGTAAACGTTGCACTGAACCTGA  
AGGGTTCAGTCCAATAACTCTGCTTGGGATGGGCCCTGCTTTCTTCTCCTTCAAATAAACATCGAA  
CAAACGCTCAGATAAAAAATACCTGAAAGTAAAGAACTACCCCTGTGTTCTCTCAGATCTCCAACC  
ATTCAGAAGTACCAACAGGAAAAATAGTGGATCACAAAATCAGTTGTGAAGTGAAGTGAAGTGAAGTGA  
GTCCAGTTCATCAAACAGACATGCCTTTGACAAGGATTCTGGGAGGCGAAAGGTGAGAGAAGACTAGGC  
AAAGTCATCCCTGTGCTACAAACCAGGACTAGGATGTTTTACAATCAGATCTAGAAAAACAGAAGGACA  
TTTATCTCAGCAAAGTCATTGCTCATATAGAAGACCCAGGGGACTCTAACCAAGGTGCCTTGGGAGAGCT  
CGATGCTCTGATGGATCAAGTTTATGAGAAGACCCAGACTGGCAGCATCCTTCAGATCTTACCACCGA  
AATTATGCCCGGTTCCGACAGCGACCTCTGCAGAGATACAGTCTGAGTCAAGTGGGTTGACAGAAACAAGC  
GGAGCCACCACCGTTCCAGCGCCTCCAGACTTCTCATACAGTCCCTATGTTTACCCCATCCACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR209663 representing NM\_001134628  
Red=Cloning site Green=Tags(s)

MTCSELLPSEQSSGTSFLPKDNASFSWGSSDEDELDDSLLEFSDGEEEDDGHFSFTEEEIEMLLKDDDDGHH  
 EYRARKSQILPHTPQENSLYSLGPAETPGFLKLPQLSPSVGHGPTPSKSLNRHFVLEKNLIKVTVVAPF  
 NPTVCDPVLDKDKIDSSKETEKPAEQTEQREDDLHPNESKRCTEPEGVSPNNSAWDGPLLSSPSNNNIE  
 QTASDKNIPESKKPTPVFSQISNHSEVPNRKNSGSHKSGCEVRIPVVSSSNRHFADKDSGEAKGERRLG  
 KVIPVLQTRTRMFSQSDLEKQKDIYLSKVIAHIEDPGDSNQGALGELDAMDQVHMQNPDWQHPSDLTTR  
 NYARFRQRPLQRYSLSQWVDRNKRSHRFQRLPDFSYSPYVSPHPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

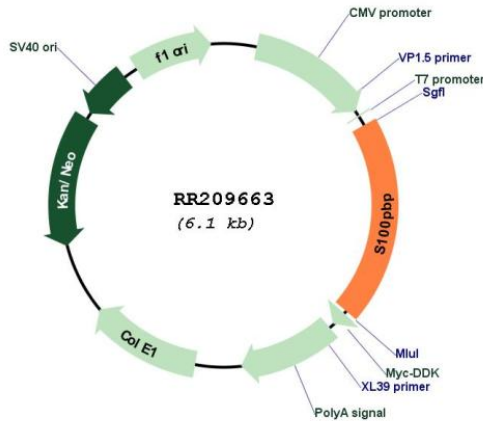
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001134628

<b>ORF Size:</b>	1188 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001134628.1</a> , <a href="#">NP_001128100.1</a>
<b>RefSeq Size:</b>	2954 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	500551
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	44.4 kDa