

Product datasheet for MR219877

S100pbp (NM_029036) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S100pbp (NM_029036) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	S100pbp
Synonyms:	4930429A08Rik; AI851343; S100pbpr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR219877 representing NM_029036 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGTGTTCACTCTTGCCCTCTGAACAGTCTTCTGGTGCCTCTTTCTGCCTAAAAGCAATGCCTCAT
TTCCTTGGGGTTCCTTGGATGAAGATGAGTTGGATGACTCCTTGTGGAGTTTCTGATGGAGAAGAAGA
TGATGGCCATTTCACTTTACAGAGGAAGAGATTGAGATGCTCTTGAAGGACGATGATGGTGGGCATAAT
GAGTATAGACCAAGAAAGAGTCAAATTCACCTGATATTCCTCAAGAAAATTCCTTGTACAGCTTGGGAC
CAGCAGCTGAAACCCCTGGCTTCTAAAACCTCAACTAAGTACATCAGTTGGTCATGGACCTACTCC
TAGTAAATCATTAAACAGACACTTTGTACTTGAAGAAGTCTTATAAAAAGTAACTGTTGTCGCACCATTT
AATCCAACAGTTTGTGATCCTGTGCTTGATAAAGACAAGATCGATTCTCCAAAGAAACGGAAAATCCTG
CCTCCCTTCGGGAACAGACGAGAGAAGATGACCCTCAACCTAATGAGAGTAAACGTTGCACTGAGCCTGA
AGGGGTGAGTCCCAATACCTCTGCTTGGGATGGGCCCTGCTTTCTTCTCCTTCAAACAATAACATCGAA
CAAACCTGCCTCTGATAAAAAATACCTGAAAGTAAAGAACCTACCCCTGTGTTCTCTCAGATCTCCAACC
ATTCAGAGGTCCCAACAGGAAAAACAGTGGCTCACATAAATCAGTTGTGAAGTGAAGATTCCAGTTGT
GTCCAGTTCATCAAACAGACATGCCTTTGACAAGGATTCTGGGGAGCGAAAGGTGAGAGAAGACTAGGC
AAAGTCATTCTGTTCTACAAACTAGAACCAGGATGTTTTCACAATCAGAGCTAGAAAAACAGAAGGACA
TTTATCTCAGCAAAGTCATTGCTCATATAGAAGATCCAGGGGACTCTAACCAAGTACCTTGGGAGAGCT
AGATGCCCTGATGGATCAAGTTTATATGCAGCACCAGACTGGCAGCATCCTTCTCAGATCTTACCACCGA
AACTACGCCCGGTTCCGACAGAGGCTCTGCAGAGGTACAGTCTGAGTCAAGTGGGTTGACAGAAACAAGC
GGAGCCACCATCGGTTCCAGCGTCTCCAGACTTCTCTACAGTCCATATGTCTCATCCCATCAACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219877 representing NM_029036
 Red=Cloning site Green=Tags(s)

MTCSELLPSEQSSGASFLPKSNASFPWGSLEDELDLDDSLLEFSDGEEEDDGHFSFTEEEIEMLLKDDDDGGHN
 EYRPRKSQILPDIPQENSLYSLGPAEETPGFLKLPQLSTSVGHGPTPSKSLNRHFVLEKNLIKVTVVAPF
 NPTVCDPVLDDKIDSSKETENPASLREQTREDDPQPNEKRCRTEPEGVSPNTSAWDGPLLSSPSNNNIE
 QTASDKNIPESKKPTPVFSQISNHSEVPNRKNSGSHKSGCEVRIPVSSSSNRHAFDKDSGEAKGERRLG
 KVIPVLQTRTRMFSQSELEKQKDIYLSKVIAHIEDPGDSNQGTGLGELDALMDQVHMQHPDWQHPSDLTTR
 NYARFRQRLQRYSLSQWVDRNKRSHRFQRLPDFSYSPYVSSHQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

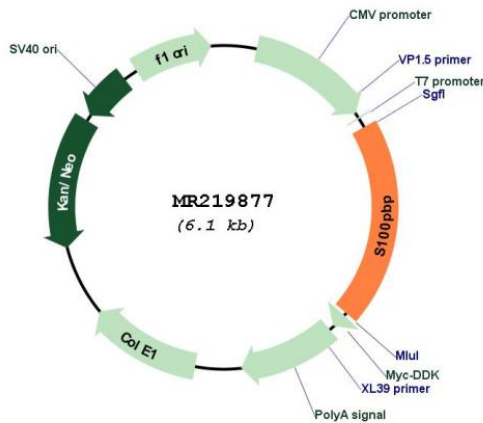
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_029036

ORF Size:	1188 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_029036.4
RefSeq Size:	1546 bp
RefSeq ORF:	1191 bp
Locus ID:	74648
UniProt ID:	Q9D5K4
Cytogenetics:	4 D2.2
MW:	44.9 kDa