

## Product datasheet for **MG219877**

### S100pbp (NM\_029036) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	S100pbp (NM_029036) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	S100pbp
Synonyms:	4930429A08Rik; AI851343; S100pbpr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219877 representing NM_029036 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGTGTTCACTCTTGCCCTCTGAACAGTCTTCTGGTGCCTCTTTCTGCCTAAAAGCAATGCCTCAT  
TTCCTTGGGGTTCCTTGGATGAAGATGAGTTGGATGACTCCTTGTGGAGTTTTCTGATGGAGAAGAAGA  
TGATGGCCATTTCACTTTCACAGAGGAAGAGATTGAGATGCTCTTGAAGGACGATGATGGTGGGCATAAT  
GAGTATAGACCAAGAAAGAGTCAAATTCTACCTGATATTCCTCAAGAAAATCTTTGTACAGCTTGGGAC  
CAGCAGCTGAAACCCCTGGCTTCTAAACTACCTCAACTAAGTACATCAGTTGGTCATGGACCTACTCC  
TAGTAAATCATTAAACAGACACTTTGTACTTGAAGAAGTCTTATAAAAGTAACTGTTGTCGCACCATTT  
AATCCAACAGTTTGTGATCCTGTGCTTGATAAAGACAAGATCGATTCTCCAAAGAAACGAAAAATCCTG  
CCTCCCTTCGGGAACAGACGAGAGAAGATGACCCTCAACCTAATGAGAGTAAACGTTGCACTGAGCCTGA  
AGGGGTCACTCCAATACCTCTGCTTGGGATGGGCCCTGCTTTCTTCTCCTTCAAACAATAACATCGAA  
CAAAGTGCCTCTGATAAAAAATACCTGAAAGTAAAGAACCTACCCTGTGTTCTCTCAGATCTCCAACC  
ATTCAGAGGTCCCAACAGGAAAAACAGTGGCTCACATAAATCAGGTTGTGAAGTGAAGTCCAGTTGT  
GTCCAGTTCATCAAACAGACATGCCTTTGACAAGGATTTCTGGGGAGCGAAAGGTGAGAGAAGACTAGGC  
AAAGTCATTCTGTTCTACAAACTAGAACCAGGATGTTTTCACAATCAGAGCTAGAAAAACAGAAGGACA  
TTTATCTCAGCAAAGTCATTGCTCATATAGAAGATCCAGGGGACTCTAACCAAGGTACCTTGGGAGAGCT  
AGATGCCCTGATGGATCAAGTTCATATGCAGCACCCAGACTGGCAGCATCCTTCAGATCTTACCACACGA  
AACTACGCCCGTTCCGACAGAGGCCTCTGCAGAGGTACAGTCTGAGTCAAGTGGGTTGACAGAAACAAGC  
GGAGCCACCATCGGTTCCAGCGTCTCCAGACTTCTCCTACAGTCCATATGTCTCATCCCATCAACAG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG219877 representing NM\_029036  
 Red=Cloning site Green=Tags(s)

MTCSELLPSEQSSGASFLPKSNASFPWGSLEDELDLDDSLLEFSDGEEEDGHFSFTEEEIEMLLKDDDGHHN  
 EYRPRKSQILPDIPQENSLYSLGPAEETPGFLKLPQLSTSVGHGPTPSKSLNRHFVLEKNLIKVTVVAPF  
 NPTVCDPVLKDKIDSSKETENPASLREQTREDDPQPNEKRCRTEPEGVSPNTSAWDGPLLSSPSNNNIE  
 QTASDKNIPESKKPTPVFSQISNHSEVPNRKNSGSHKSGCEVRIPVSSSSNRHAFDKDSGEAKGERRLG  
 KVIPVLQTRTRMFSQSELEKQKDIYLSKVIAHIEDPGDSNQGTLGELDALMDQVHMQHPDWQHPSDLTTR  
 NYARFRQRLQRYSLSQWVDRNKRSHHRFQRLPDFSYSPYVSSHQQ

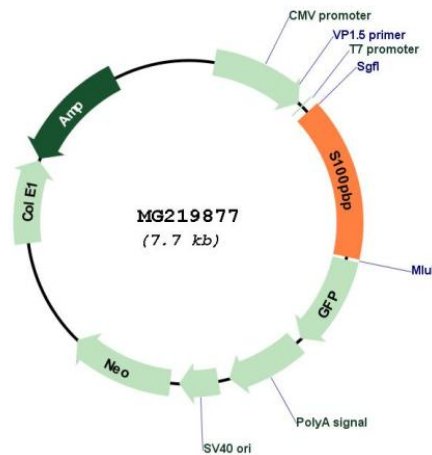
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_029036

<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_029036.4</a>
<b>RefSeq Size:</b>	1546 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	74648
<b>UniProt ID:</b>	<a href="#">Q9D5K4</a>
<b>Cytogenetics:</b>	4 D2.2