

## Product datasheet for **MG223259**

### Prickle2 (NM\_001081146) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prickle2 (NM_001081146) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prickle2
Synonyms:	6230400G14Rik; 6720451F06Rik; mpk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG223259 representing NM\_001081146  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTT**CAGCCGGAGCTCGCG**AAAAAGACTGTCCCGCCGCTCGTTGACTGGACTGGT**CGGATTGAGAGAG**  
 GCCAGCCATGTAACGCCTGTGGT**GACCAGTGTCCCGGGTTCGCCTTGCACAAATGGAGGAAGATCTGCCT**  
 GCACTGCAAGTGTCCCCAGGAGGAGCACATGGTAA**CAGTGATGCCGCTGGAGATGGAGAAGACCATCAGC**  
 AAGCTCATGTTTGACTTCCAGAGGAGTTCAACCTCAGATGACGACTCTGGCTGTGCTTTGGAA**GAGTACG**  
 CCTGGGTC**CCCCCAGGGCTGAAGCCTGAGCAGGTGCACCAGTATTATAGCTGCCTCCCAGAAGAGAAAGT**  
 CCCCTATGTCAACAGTGTGGAGAGAAGTTGCGAATCAAGCAGCTACTGCACCAGCTGCC**CCCCATGAC**  
 AATGAGGTTCCGTATTGCAACTCCCTGGACGAGGAAGAGAAGAGGGA**ACTGAAGCTGTTCAGCAACCAGA**  
 GGAACCGT**GAGAACCTGGGCCGAGGCAATGTCAGGCCTTCCCGTCACCATGACAGGAGCTATTTGTGA**  
 ACAGTGGCGAGGGCAGATTAAGGGCGGCAGATCGCTGTGTTTGCATCACGTGCTGGCCATGGC**ATCTGC**  
 TGGCATCCACCCTGCTTCGTATGCACCCTGCAATGAGCTTCTGGTTGACCTCATCTACTTTTACCAAG  
 ATGGGAAGATCTACTGTGGCAGGCACCATGCAGAGTGCCTGAAGCCACGCTGTGCAGCCTGTGATGAGAT  
 CATCTTTGCAGACGAGTGCACAGAGGCTGAGGGACGACTGGC**CATGAGACATTTCTGCTGCTTTGAG**  
 TGTGAGACAGTGTGGGGGCCAGCGCTACATCATGAAGGAGGGAAGACCCTACTGCTGCCACTGCTTTG  
 AGTCCCTGTATGCAGAATATTGTGATACCTGTGCCCAACATATAGGAATTGACCAAGGTCAAATGACCTA  
 CGACGGCAACTG**GCATGCTACAGAGACCTGTTTCTGCTGTGCTCATTGTAAGAAGTCTCTTCTGGGA**  
 CGGCCATTCCTCCAAAGCAAGGCCAGATATTCTGCTCACGGGCTGTAGTGTGGGAGGACCCCAATG  
 GCTCTGATTCATCTGACTCCGCCTTCCAGAACCCAGAGCCAAGGAGTCTCGCCGAGTGC**CAAAATCGG**  
 CAAGAACAAGGGCAAGACAGAGGAAGCCATGCTGAACCAGCACAGCCAGCTGCAGGTGAGTTCTAA**CCGG**  
 CTCTCAGCTGATGTGGACCCCTGT**CAGTGCAGATGGATCTCCTCAGTCTGTCCAGCCAGACGCCAGCC**  
 TCAACCGGACCCATTTGGAGGAGCCGGGAAGAGCCCTTTCATTATGGGAATAAGATGGAGCAGAA**CCA**  
 ATCCCAGAGTCTTTGCAGCTTCTCAGCCAGTGC**AACATCAGAACGTCCTACAGTCCAGGAGGGCAGGGA**  
 GCAGGAGCCAGCCTGACATGTGGGCCAAGCACTT**CAGCAACCCTAAGAGAAGCTCATCAATGGCCCTGA**  
 AGGGGCATGGAGGCAGCTTATCCAGGAATGCCGTGAGGACTATTACCCGGGAGGCTGATGTCC**CAGGA**  
 GAGCTACAGTGATATGTCCAGCCAAAGCTTTAATGAAACCCGAGGCAGCATCC**CAGTTCCCAAGTATGAG**  
 GAGGAAGAGGAGGAGGAAGAAGGTGGC**ATATCTACTCAGCAGTGCCGGCCCGTCCACTCAGTTCCC**  
 TGAATACACAGAAGACATGACACCCACGGAACAGACTCCTCGTGGCTCTATGGAATCACTGGCCCTG**TC**  
 AAATGCAACAGGCCTGTCTGCTGAAGGTGGTGCCAAGCGCCAGGAGCACCTATCACGGTTTTTCCATG**CCCT**  
 GACCTCAGCAAAGACTCTGGAATGAATGTCTCGGAAAAGCTGAGCAACATGGGCACTCTCAACTCCTCA**A**  
 TGCAGTTCAGGAGCGCAGAGTCTGTCCGCAGCCTGCTGTCCGCACAACAGTACCAGGAGATGGAGGGG**AA**  
 CCTTACCAGCTCAGCAACCCCTAGGATACAGGGACCTGCAGTCCCATGGAAGGATGCACCAGAGCTTT  
 GATTTT**GATGGTGGCATAGCGAGCAGCAAGCTACCAGGACAGGAAGGTGTGCACATCCAGCCCATGAGTG**  
 AGCGCACCCGGAGGAGAACTACTTCCAGGGATGACAACCGCCGCTTCCGCCCTCACCGGTCCAGGAGG**TC**  
 CCGAGCTTCTCGCTCAGACAACGCCCTGCACCTAGCCAGCGAGCGAGAGGT**CATCGCTCGGTTGAAGGAA**  
 AGGCCCCCTCTGAGAGCCAGGGAGGACTATGACCAGTTCATGCGCCAACGCAGCTTCCAGGAGAGCCTGG  
 GG**CAGGTTCCCGCGGGATCTGTACAGCCAGTGTCCAGGACTGTGTCGGACCTGGCTTTGCAGATGC**  
 CTTTGGGGAACGATGGGGACCCTACTT**CACGGAGTATGATTGGTGTCCACCTGCTCCTCCTCTTCTGAG**  
 TCCGACAACGAGGGCTACTTCTAGGAGAACCCATCCCGCAGCCAGCCCGCTACGATATGTCACAAGT**G**  
 ATGAGCTCCTGCACAAATACAGCTCTTACGGTGTCCCAATCCTCCACCTTAGGTGGCAGAGGACAGT**T**  
 GCATAGCAGGAAAAGACAGAAGAGCAAAA**ACTGTATCATTTTCG**

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >MG223259 representing NM\_001081146  
 Red=Cloning site Green=Tags(s)

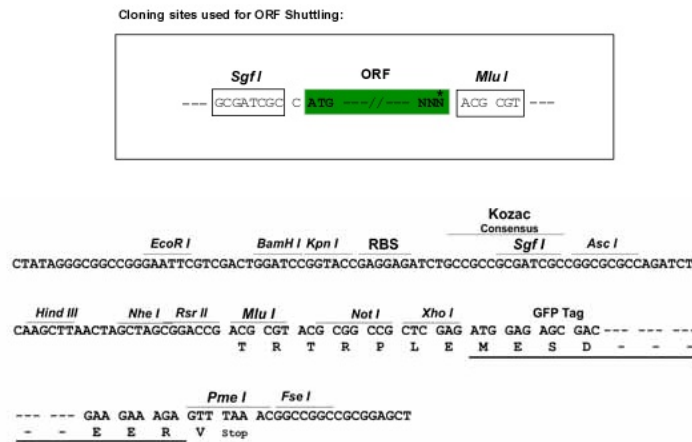
MFSRSSRKRLSRRSLTGLGRIERGQPCNACGDQCPGFALHKWRKICLHCKCPQEEHMVTVMPLMEKTIS  
 KLMFDFQRSSTSDDDSGCALEEYAWVPPGLKPEQVHQYYSCLPEEKVPYVNSAGEKLRIKQLLHQLPPHD  
 NEVRYCNLSDEEEKRELKLF SNQRKRENLRGNVRFPPVTMTGAICEQCGGQIKGGDIIVFASRAGHGIC  
 WHPPCFVCTVCNELLVDLIYFYQDGKIYCGRHHAELKPRCAACDEIIFADECTEAEGRHWHMRHFCCFE  
 CETVLGGQRYIMKEGRPYCCHCFESLYAEYCDTCAQHIGIDQGQMTYDQGHWHATETCFCAHCKKSLLG  
 RPFLPKQGQIFCSRACSGEDPNSDSSSAFQNAKESRRSAKIGKNKGKTEEAMLNQHSQLQVSSNR  
 LSADVDPLSVQMDLLSLSSQTPSLNRDPIWRSREEPFHYGNKMEQNQSQSPLQLLSQCNIRTSYSPGGQG  
 AGAQPDWAKHFSNPKRSSSMALKGHGGSFIQECREDYYPGRMSQESYSDMSSQSFNETRGSIPVPKYE  
 EEEEEEGGISTQQCRPRRPLSSLKYTEDMTPTEQTPRGSMSLALSNATGLSAEGGAKRQEHLSRFSMP  
 DLSKDSGMNVSEKLSNMGTLNSSMQFRSAESVRSLLSAQQYQEMGNLHQLSNPLGYRDLQSHGRMHQSF  
 DFDGGIASKLPQEGVHIQPMSETRRRRTSRDDNRRFRPHRSRRSRRSRSDNALHLASEREVIARLKE  
 RPPLRAREDYDQFMRQSFQESLGGQSRDLYSQCPRTVSDLALQNAFGERWGPYFTEYDWCSTCSSSE  
 SDNEGYFLGEPQPAPRLRYVTSDELLHKYSSYGVPKSSTLGGRGQLHSRKRQKSKNCIIS

TRTRPLE - GFP Tag - V

**Restriction Sites:**

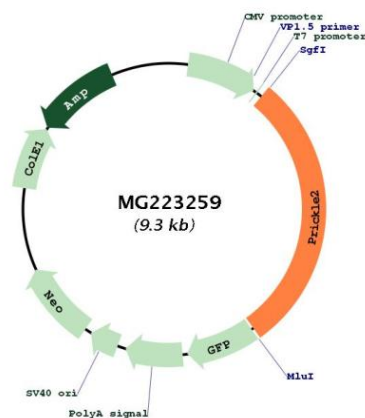
SgfI-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_001081146
<b>ORF Size:</b>	2703 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>	<u>NM_001081146.2, NP_001074615.1</u>
<b>RefSeq Size:</b>	7799 bp
<b>RefSeq ORF:</b>	2706 bp
<b>Locus ID:</b>	243548
<b>Cytogenetics:</b>	6 D1

**Product images:**



Circular map for MG223259