

Product datasheet for **MG224634**

Prickle2 (NM_001134460) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prickle2 (NM_001134460) 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:

>MG224634 representing NM_001134460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAACAGTGTGCCGCTGGAGATGGAGAAGACCATCAGCAAGCTCATGTTTGACTTCCAGAGGAGTT
 CAACCTCAGATGACGACTCTGGCTGTGCTTTGGAAGAGTACGCCTGGGTCCCCCAGGGCTGAAGCCTGA
 GCAGGTGCACCAGTATTATAGCTGCCTCCAGAAGAGAAAAGTCCCCTATGTCAACAGTGTGGAGAGAAG
 TTGCGAATCAAGCAGCTACTGCACCAGCTGCCGCCCATGACAATGAGGTTTCGGTATTGCAACTCCCTGG
 ACGAGGAAGAGAAGAGGGAACTGAAGCTGTTTCAGCAACCAGAGGAAACGTGAGAACCTGGGCCGAGGCAA
 TGTGAGGCCTTTCCCGTCACCATGACAGGAGCTATTTGTGAACAGTGGGAGGGCAGATTAAGGGCGGC
 GACATCGTGTGTTTGCATCACGTGCTGGCCATGGCATCTGCTGGCATCCACCCTGCTTCGTATGCACCG
 TCTGCAATGAGCTTCTGTTGACCTCATCTACTTTTACCAAGATGGGAAGATCTACTGTGCAGGCACCA
 TGCAGAGTGCCTGAAGCCACGCTGTGCAGCCTGTGATGAGATCATCTTTCAGACGAGTGCACAGAGGCT
 GAGGGACGACACTGGCACATGAGACATTTCTGCTGCTTTGAGTGTGAGACAGTGTGGGGGCCAGCGCT
 ACATCATGAAGGAGGGAAGACCCTACTGCTGCCACTGCTTTGAGTCCCTGTATGCAGAATATTGTGATAC
 CTGTGCCCAACATATAGGAATTGACCAAGGTCAAATGACCTACGACGGCCAACTGGCATGCTACAGAG
 ACCTGTTTCTGCTGTGCTCATTGTAAGAAGTCTTCTTGGGACGGCCATTCTCCCAAAGCAAGGCCAGA
 TATTCTGCTCACGGGCTGTAGTGTGGGGAGGACCCCAATGGCTCTGATTATCTGACTCCGCCTTCCA
 GAACGCCAGAGCAAGGAGTCTCGCCGACGTGCCAAAATCGGCAAGAACAAGGGCAAGACAGAGGAAGCC
 ATGCTGAACCAGCACAGCCAGCTGCAGGTGAGTTCTAACCGGCTCTCAGCTGATGTGGACCCCTGTGAG
 TGCAGATGGATCTCCTCAGTCTGTCCAGCCAGCCAGCCTCAACCGGGACCCCAATTTGGAGGACCG
 GGAAGAGCCCTTTTATTATGGGAATAAGATGGAGCAGAACAATCCAGAGTCTTTGCAGCTTCTCAGC
 CAGTGCAACATCAGAACGTCCTACAGTCCAGGAGGGCAGGGAGCAGGAGCCAGCCTGACATGTGGGCCA
 AGCACTTCAGCAACCCTAAGAGAAGCTCATCAATGGCCCTGAAGGGGCATGGAGGAGCTTTATCCAGGA
 ATGCCGTGAGGACTATTACCCGGGGAGGCTGATGTCCCAGGAGAGCTACAGTGATATGTCCAGCCAAAGC
 TTTAATGAAACCCGAGGCAGCATCCAGTTCCTCAAGTATGAGGAGGAAGAGGAGGAGGAAGAAGGTGGCA
 TATCTACTCAGCAGTGCCGGCCCGTCCACTCAGTTCCTGAAATACACAGAAGACATGACACCCAC
 GGAACAGACTCCTCGTGGCTCTATGGAATCACTGGCCCTGTCAAATGCAACAGGCCTGTCTGCTGAAGT
 GGTGCCAAGGCCAGGAGCACCTATCACGTTTTCCATGCCTGACCTCAGCAAAGACTCTGGAATGAATG
 TCTCGGAAAAGCTGAGCAACATGGGCACTCTCAACTCCTCAATGCAGTTCAGGAGCGCAGAGTCTGTCCG
 CAGCCTGTCTCCGCACAACAGTACCAGGAGATGGAGGGGAACCTTACCAGCTCAGCAACCCCTAGGA
 TACAGGGACCTGCAGTCCCATGGAAGGATGCACCAGAGCTTTGATTTTGTGGTGGCATAGCGAGCAGCA
 AGCTACCAGGACAGGAAGGTGTGCACATCCAGCCCATGAGTGAGCGCACCCGGAGGAGAACTACTTCCAG
 GGATGACAACCGCCGCTTCCGCCCTCACCGTCCAGGAGGTCCCGACGTTCTCGTCAGACAACGCCCTG
 CACCTAGCCAGCGAGCGAGAGGTATCGCTCGGTTGAAGGAAAGGCCCTCTGAGAGCCAGGGAGGACT
 ATGACCAGTTCATGCGCCAACGCAGCTTCCAGGAGAGCCTGGGGCAGGTTCCCGCGGGATCTGTACAG
 CCAGTGTCCAGGACTGTGTCGACCTGGCTTTGCAGAAATGCCTTTGGGGAACGATGGGGACCTACTTC
 ACGGAGTATGATTGGTGTCCACCTGCTCCTCTTCTGAGTCCGACAACGAGGGCTACTTCTAGGAG
 AACCCATCCCGCAGCCAGCCGCTACGATATGTCAAGTGTGAGCTCCTGCACAAATACAGCTCTTA
 CGGTGTCCCAAATCCTCCACCTTAGGTGGCAGAGGACAGTTGCATAGCAGGAAAAGACAGAAGAGCAAA
 AACTGTATCATTTCG

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG224634 representing NM_001134460
Red=Cloning site Green=Tags(s)

```
MVTVMPLMEKTIKSLMFDQFQRSSSTDDDSGCALEEYAWVPPGLKPEQVHQYYSCLPEEKVPYVNSAGEK
LRIKQLLHQLPPHDNEVRYCNLSLDEEEKRELKLF SNQRKRENLRGNVVRPFVMTGAICEQCGGQIKGG
DIAVFASRAGHGICWHPPCFVCTVCNELLVDLIYFYQDGKIYCGRHHAELKPRCAACDEIIFADECTEA
EGRHWHMRHFCCFECETVLGGQRYIMKEGRPYCCHCFESLYAEYCDTCAQHIGIDQGQMTYDQGHWHATE
TCFCCAHCCKSLLGRPFLPKQGQIFCSRACSAAGEDPNGSDSDSAFQNAKAKESRRSAKIGKNKGKTEEA
MLNQHSQQLQVSSNRLSADVDPLSVQMDLLSLSSQTPSLNRDPIWRSREEPFHYGNKMEQNQSQSPLQLLS
QCNIRTSYSPGGQGAGAQPDMWAKHFSNPKRSSMALKGHGGSFIQEAREDYYPGRMSQESYSYDMSSQS
FNETRGSIPVPKYEEEEEEEEGGISTQQCRPRRPLSSLKYTEDMTPTEQTPRGSMESLALSNATGLSAEG
GAKRQEHLRFRSMPDLSKDSGMNVSEKLSNMGTLNSSMQFRSAESVRSLLSAQQYQEMGNLHQLSNPLG
YRDLQSHGRMHQSFDGDIASSKLPQGEGVHIQPMSETRRRRTTSRDDNRRFRPHRSRRSRRSRSDNAL
HLASEREVIARLKERPPLRAREYDQFMRQRFQESLGGQSRDLYSQCPRTVSDLALQNAFGERWGPYF
TEYDWCSTCSSSSESDNEGYFLGEPQPAPARLRYVTSDELLHKYSSYGVPKSSTLGGRGQLHSRKRQKSK
NCIIS
```

TRTRPLE - GFP Tag - V

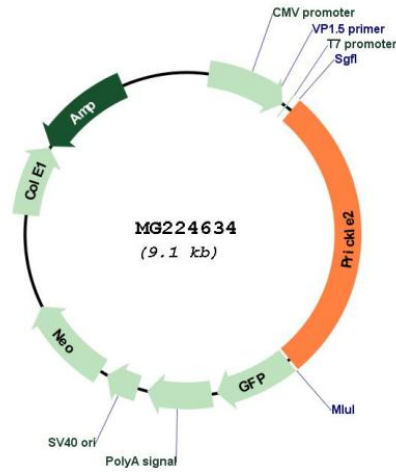
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001134460
ORF Size:	2535 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_001134460.2 , NP_001127932.1
RefSeq Size:	8203 bp
RefSeq ORF:	2538 bp
Locus ID:	243548
UniProt ID:	Q80Y24
Cytogenetics:	6 D1