

Product datasheet for **MR224634**

Prickle2 (NM_001134460) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prickle2 (NM_001134460) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prickle2
Synonyms:	6230400G14Rik; 6720451F06Rik; mpk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224634 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAACAGTGTGCCGCTGGAGATGGAGAAGACCATCAGCAAGCTCATGTTTGACTTCCAGAGGAGTT
 CAACCTCAGATGACGACTCTGGCTGTGCTTTGGAAGAGTACGCCTGGGTCCCCCAGGGCTGAAGCCTGA
 GCAGGTGCACCAGTATTATAGCTGCCTCCAGAAAGAGAAAAGTCCCCTATGTCAACAGTGTGGAGAGAAG
 TTGCGAATCAAGCAGCTACTGCACCAGCTGCCGCCCATGACAATGAGGTTTCGGTATTGCAACTCCCTGG
 ACGAGGAAGAGAAGAGGGAACTGAAGCTGTTTCAGCAACCAGAGGAAACGTGAGAACCTGGGCCGAGGCAA
 TGTGAGGCTTTCCCGTCACCATGACAGGAGCTATTTGTGAACAGTGGGAGGGCAGATTAAGGGCGGC
 GACATCGTGTGTTGCATCACGTGCTGGCCATGGCATCTGCTGGCATCCACCCTGCTTCGTATGCACCG
 TCTGCAATGAGCTTCTGTTGACCTCATCTACTTTACCAAGATGGGAAGATCTACTGTGCAGGCCACCA
 TGCAGAGTGCCTGAAGCCAGCTGTGCAGCCTGTGATGAGATCATCTTTCAGACGAGTGCACAGAGGCT
 GAGGGACGACACTGGCACATGAGACATTTCTGCTGCTTTGAGTGTGAGACAGTGTGGGGGCCAGCGCT
 ACATCATGAAGGAGGGAAGACCCTACTGCTGCCACTGCTTTGAGTCCCTGTATGCAGAATATTGTGATAC
 CTGTGCCCAACATATAGGAATTGACCAAGGTCAAATGACCTACGACGGCCAACTGGCATGCTACAGAG
 ACCTGTTTCTGCTGTGCTCATTGTAAGAAGTCTTCTGGGACGGCCATTCTCCCAAAGCAAGGCCAGA
 TATTCTGCTCACGGGCTGTAGTGTGGGGAGGCCCAATGGCTCTGATTCATCTGACTCCGCCTTCCA
 GAACGCCAGAGCAAGGAGTCTCGCCGAGTGCACAAAATCGGCAAGAACAAGGGCAAGACAGAGGAAGCC
 ATGCTGAACCAGCACAGCCAGCTGCAGGTGAGTCTAACCGGCTCTCAGCTGATGTGGACCCCTGTGAG
 TGCAGATGGATCTCCTCAGTCTGTCCAGCCAGCCAGCCCTCAACCGGGACCCCAATTTGGAGGACCG
 GGAAGAGCCCTTTTCATTATGGGAATAAGATGGAGCAGAACAATCCAGAGTCTTTGCAGCTTCTCAGC
 CAGTGCAACATCAGAACGTCCTACAGTCCAGGAGGCGAGGAGCAGGAGCCAGCCTGACATGTGGGCCA
 AGCACTTCAGCAACCCTAAGAGAAGCTCATCAATGGCCCTGAAGGGGCATGGAGGAGCTTTATCCAGGA
 ATGCCGTGAGGACTATTACCCGGGGAGGCTGATGTCCAGGAGAGCTACAGTGTATGTCCAGCCAAAGC
 TTTAATGAAACCCGAGGCAGCATCCAGTTCCTCAAGTATGAGGAGGAAGAGGAGGAGGAAGAAGGTGGCA
 TATCTACTCAGCAGTGCCGGCCCGTCCACTCAGTTCCTGAAATACACAGAAGACATGACACCCAC
 GGAACAGACTCCTCGTGGCTCTATGGAATCACTGGCCCTGTCAAATGCAACAGGCCTGTCTGCTGAAGT
 GGTGCCAAGGCCAGGAGCACCTATCACGGTTTTCCATGCCTGACCTCAGCAAAGACTCTGGAATGAATG
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 CAGCCTGTCTCCGCACAACAGTACCAGGAGATGGAGGGGAACCTTACCAGCTCAGCAACCCCTAGGA
 TACAGGGACCTGCAGTCCCATGGAAGGATGCACCAGAGCTTTGATTTTGTGGTGGCATAGCGAGCAGCA
 AGCTACCAGGACAGGAAGGTGTGCACATCCAGCCCATGAGTGAGCGCACCCGGAGGAGAACTACTTCCAG
 GGATGACAACCGCCGCTTCCGCCCTCACCGGTCCAGGAGGTCCCGACGTTCTCGTCAGACAACGCCCTG
 CACCTAGCCAGCGAGCGAGAGGTATCGCTCGGTTGAAGGAAAGGCCCTCTGAGAGCCAGGGAGGACT
 ATGACCAGTTCATGCGCCAACGCAGCTTCCAGGAGAGCCTGGGGCAGGGTCCCGCGGGATCTGTACAG
 CCAGTGTCCAGGACTGTGTCGACCTGGCTTTGCAGAAATGCCTTTGGGGAACGATGGGGACCCACTTTC
 ACGGAGTATGATTGGTGTCCACCTGCTCCTCTTCTGAGTCCGACAACGAGGGCTACTTCTAGGAG
 AACCCATCCCGCAGCCAGCCGCTACGATATGTCAAGTGTGAGCTCCTGCACAAATACAGCTCTTA
 CGGTGTCCCAAATCCTCCACCTTAGGTGGCAGAGGACAGTTGCATAGCAGGAAAAGACAGAAGAGCAAA
 AACTGTATCATTTCG

ACGGTACGGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224634 protein sequence
 Red=Cloning site Green=Tags(s)

MVTVMPLMEKTI SKLMFDFQRSSTSDDDSGCALEEYAWVPPGLKPEQVHQYYSCLPEEKVPYVNSAGEK
 LRIKQLLHQLPPHDNEVRYCNSLDEEEKRELKLF SNQRKRENLRGNVVRPFPVTMTGAICEQCGGQIKGG
 DIAVFASRAGHGICWHPPCFVCTVCNELLVDLIYFYQDGKIYCGRHHAELKPRCAACDEIIFADECTEA
 EGRHWHMRHFCCFECETVLGGQRYIMKEGRPYCCHCFESLYAEYCDTCAQHIGIDQGQMTYDQHWATE
 TCFCCAHCCKSLLLGRPFLLPKQGQIFCSRACSAGEDPNGSDSDSAFQNAKAKESRRSAKIGKNKGKTEEA
 MLNQHSQQLQVSSNRLSADVDP LSVQMDLLSLSSQTPSLNRDPIWRSREEPFHGYNKMEQNQSQSPLQLLS
 QCNIRTSYSPGGQGAGAQPDMWAKHFSNPKRSSMALKGHGGSFIQE CREDYYPGR LMSQESYSDMSSQS
 FNETRGSIPVPKYEEEEEEEEGGISTQQCRPRRPLSSLKYTEDMTPTEQTPRGSMESLALSNATGLSAEG
 GAKRQEHLSRFSMPDL SKDSGMNVSEKLSNMGT LNSSMQFRSAESVRSLLSAQQYQEMGNLHQLSNPLG
 YRDLQSHGRMHQSFDFDGGIASSKLPQGEGVHIQPMSETRRRRTTSRDDNRRFRPHRSRRSRSDNAL
 HLASEREVIARLKERPPLRAREYDQFMRQRSFQESLGGQSRDLYSQCPRTVSDLALQNAFGERWGPYF
 TEYDWCSTCSSSESDNEGYFLGEPQPAPRLRYVTSDELLHKYSSYGVPKSSTLGGRGQLHSRKRQKSK
 NCII S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

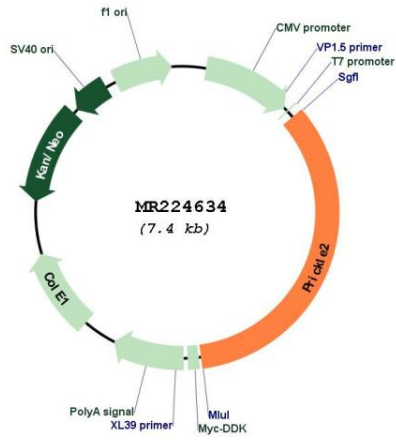
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001134460
ORF Size:	2538 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:	8200 bp
RefSeq ORF:	2538 bp
Locus ID:	243548
UniProt ID:	Q80Y24
Cytogenetics:	6 D1
MW:	95.8 kDa

Product images:



Circular map for MR224634