

Product datasheet for **MR223810**

Prickle2 (NM_001134459) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prickle2 (NM_001134459) 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:**

>MR223810 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTAACAGTGTGCCGCTGGAGATGGAGAAGACCATCAGCAAGCTCATGTTTGACTTCCAGAGGAGTT
 CAACCTCAGATGACGACTCTGGCTGTGCTTTGGAAGAGTACGCCTGGGTCCCCCAGGGCTGAAGCCTGA
 GCAGGTGCACCAGTATTATAGCTGCCTCCAGAAGAGAAAAGTCCCCTATGTCAACAGTGTGGAGAGAAG
 TTGCGAATCAAGCAGCTACTGCACCAGCTGCCGCCCATGACAATGAGGTTTCGGTATTGCAACTCCCTGG
 ACGAGGAAGAGAAGAGGGAACTGAAGCTGTTTCAGCAACCAGAGGAAACGTGAGAACCTGGGCCGAGGCAA
 TGTGAGGCCTTTCCCGTCACCATGACAGGAGCTATTTGTGAACAGTGGGAGGGCAGATTAAGGGCGGC
 GACATCGTGTGTTTGCATCACGTGCTGGCCATGGCATCTGCTGGCATCCACCCTGCTTCGTATGCACCG
 TCTGCAATGAGCTTCTGTTGACCTCATCTACTTTACCAAGATGGGAAGATCTACTGTGCAGGCACCA
 TGCAGAGTGCCTGAAGCCAGCTGTGCAGCCTGTGATGAGATCATCTTTCAGACGAGTGCACAGAGGCT
 GAGGGACGACACTGGCACATGAGACATTTCTGCTGCTTTGAGTGTGAGACAGTGTGGGGGCCAGCGCT
 ACATCATGAAGGAGGGAAGACCCTACTGCTGCCACTGCTTTGAGTCCCTGTATGCAGAATATTGTGATAC
 CTGTGCCCAACATATAGGAATTGACCAAGGTCAAATGACCTACGACGGCCAACTGGCATGCTACAGAG
 ACCTGTTTCTGCTGTGCTCATTGTAAGAAGTCTTCTGCGGACGGCCATTCTCCCAAAGCAAGGCCAGA
 TATTCTGCTCACGGGCTGTAGTGTGGGGAGGACCCCAATGGCTCTGATTATCTGACTCCGCCTTCCA
 GAACGCCAGAGCAAGGAGTCTCGCCGAGTGCACAAAATCGGCAAGAACAAGGGCAAGACAGAGGAAGCC
 ATGCTGAACCAGCACAGCCAGCTGCAGGTGAGTCTAACCGGCTCTCAGCTGATGTGGACCCCTGTGAG
 TGCAGATGGATCTCCTCAGTCTGTCCAGCCAGCAGCCAGCCTCAACCGGGACCCCAATTTGGAGGACCG
 GGAAGAGCCCTTTTCATTATGGGAATAAGATGGAGCAGAACAATCCAGAGTCTTTGCAGCTTCTCAGC
 CAGTGCAACATCAGAACGTCCTACAGTCCAGGAGGAGGAGCAGGAGCCAGCCTGACATGTGGGCCA
 AGCACTTCAGCAACCCTAAGAGAAGCTCATCAATGGCCCTGAAGGGGCATGGAGGAGCTTTATCCAGGA
 ATGCCGTGAGGACTATTACCGGGGAGGCTGATGTCCCAGGAGAGCTACAGTGTATGTCCAGCCAAAGC
 TTTAATGAAACCCGAGGCAGCATCCAGTTCCTCAAGTATGAGGAGGAAGAGGAGGAGGAAGAAGGTGGCA
 TATCTACTCAGCAGTCCCGCCCGCTCGTCCACTCAGTTCCTGAAATACACAGAAGACATGACACCCAC
 GGAACAGACTCCTCGTGGCTCTATGGAATCACTGGCCCTGTCAAATGCAACAGGCCTGTCTGCTGAAGT
 GGTGCCAAGGCCAGGAGCACCTATCACGGTTTTCCATGCCTGACCTCAGCAAAGACTCTGGAATGAATG
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 ATGACCAGTTCATGCCCAACGCAGCTTCCAGGAGAGCCTGGGGCAGGGTCCCGCGGGATCTGTACAG
 CCAGTGTCCCAGGACTGTGTCCGACCTGGCTTTGCAGAAATGCCTTTGGGGAACGATGGGGACCCACTTC
 ACGGAGTATGATTGGTGTCCACCTGCTCCTCTTCTGAGTCCGACAACGAGGGCTACTTCTCAGGAG
 AACCCATCCCGCAGCCAGCCCGCTACGATATGTCAAAAGTGTGAGCTCCTGCACAAAATACAGCTCTTA
 CGGTGTCCCAAATCCTCCACCTTAGGTGGCAGAGGACAGTTGCATAGCAGGAAAAGACAGAAGAGCAAA
 AACTGTATCATTTCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223810 protein sequence
 Red=Cloning site Green=Tags(s)

MVTVMPLMEKTI SKLMFDFQRSSTSDDDSGCALEEYAWVPPGLKPEQVHQYYSCLPEEKVPYVNSAGEK
 LRIKQLLHQLPPHDNEVRYCNSLDEEEKRELKLF SNQRKRENLRGNVRRPFPVTMTGAICEQCGGQIKGG
 DIAVFASRAGHGICWHPPCFVCTVCNELLVDLIYFYQDGKIYCGRHHAELKPRCAACDEIIFADECTEA
 EGRHWHMRHFCCFECETVLGGQRYIMKEGRPYCCHCFESLYAEYCDTCAQHIGIDQGMQTYDQHWATE
 TCFCCAHCCKSLLGRPFLLPKQGQIFCSRACSAGEDPNGSDSDSAFQNAKAKESRRSAKIGKNKGKTEEA
 MLNQHSQQLQVSSNRLSADVDP LSVQMDLLSLSSQTPSLNRDPIWRSREEPFHGYNKMEQNQSQSPLQLLS
 QCNIRTSYSPGGQGAGAQPDMWAKHFSNPKRSSMALKGHGGSFIQE CREDYYPGR LMSQESYSDMSSQS
 FNETRGSIPVPKYEEEEEEEEGGISTQCCRPRRPLSSLKYTEDMTPTEQTPRGSME LALSNATGLSAEG
 GAKRQEHLSRFSMPDL SKDSGMNVSEKLSNMGT LNSSMQFRSAESVRSLLSAQQYQEMEGNLHQLSNPLG
 YRDLQSHGRMHQSFDFDGGIASSKLPQGEGVHIQPMSETRRRRTTSRDDNRRFRPHRSRRSRRSRSDNAL
 HLASEREVIARLKERPPLRAREYDQFMRQRSFQESLGGQSRDLYSQCPRTVSDLALQNAFGERWGPYF
 TEYDWCSTCSSSESDNEGYFLGEPQPAPRLRYVTSDELLHKYSSYGVPKSSTLGGRGQLHSRKRQKSK
 NCII S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

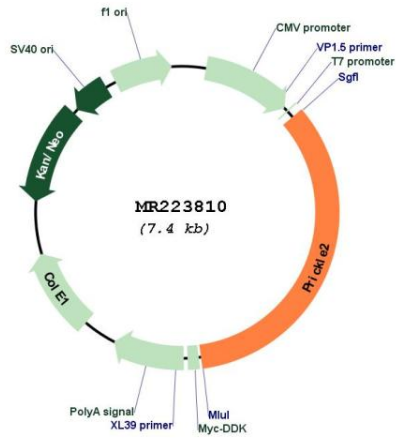
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001134459
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_001134459.1 , NP_001127931.1
RefSeq Size:	7878 bp
RefSeq ORF:	2538 bp
Locus ID:	243548
UniProt ID:	Q80Y24
Cytogenetics:	6 D1
MW:	95.8 kDa

Product images:



Circular map for MR223810