

Product datasheet for **MR221389**

Gprin2 (NM_183209) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gprin2 (NM_183209) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gprin2
Synonyms:	C130040D06Rik; C230073P13; Gm286; mKIAA0514
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221389 representing NM_183209
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCAGCCACCCTGAACCAGGTGCCCGGAACACAGAGTCCCCGTCCACAGGCCCTGTCTCAGA
 GTTCTTCCAGCTTGTGTGTGAAGGCCGGGAGCAGAAGCCAGAGCTTCGCAAGAGTGCCAGCAGCACTGT
 ATGGCGGGCCAGCAGGGTGAAGCCGGTCTAGTCCCCGGATCCTGCAGGAGGAGCGTGCCAGACTGAG
 ATCCCAGAGCACGCGCAGACTGCAAGCACTGCATCACAGGCTGGGGCTGGAGGCCACTGGAGGAGCAGCA
 CTGTTGGTAATGTGTCTACCATGGGCATCGGTGATCTGTGTGCGCTACGGGCCCCAGCGTGGCAGCTGT
 GCAGAGGAGCCACTCAGACTTGGTACATAGTACCCAGACCCGGGGTTCATGGCGCGTTTCAGAAGCCAGT
 CTGAGCTGTTCTGCCCTTGGCAGCTCACCTGTCCACAGGGCTCAGTTGCAGCCTGGCAGTGTGCTGGCC
 AAGGAGGCCAGACCCCTGCACCCCTGCAGAGTGACTCAGCTCCAGAGGATGGGACTTCTAAATCAGCCTG
 CACGTTGGGGGAGAGTCAGGTGTGGGTGCAACCGTAGAACTAGAAGATGCAACTGGTCTCTCCGAGGT
 CCCAGGGTGAGCCAAAGCGACTGGACAGCCACCTACCACTTCCTGCCAGCTCTGCCTCCGGCAGCTC
 TGCTTTGCACCCTGGGGGAGGCTGTAGCTGGTAGCTGCTGCCATGCCCTGCCTGCCAGAGGCATCCTGGC
 CTTTCCCAAGCTGGTGGCGTCAGTCAGTGAGTCTGGGTTGCAGGCCAGTGTGGGATGAAATTCCTACTGT
 AAGTTGTCTGGGGGATTTCTGGGCACCCTCACTGTTGTGTCCACCCTTGGGGCCCTACAGGGCTAGCCA
 CAGAGTCTGGCTCCAGGACCAAAGATGTGTGGACCATGACCTCAGCCACCATTGGCTCTGGGTGTGGC
 ATCGGCTCAGGATGCCGGGGTTCAGGCAGCTCCCGCGGCAGCCTGCAAGGCTGTGGCTACCAGCCATCC
 CTGGAAGCGCCTGAGACTCTGAACCTATTTCCAGAGGTAATGCTAGAGTCCGGCCTACGACAGGCATCGT
 CACCTGTGAGGGATGACGATGGGATGCCGAGGGCATGACATGGGAGGTGATGGAGCCTCTGTGGACCC
 TGAGGTGCTCGGCATTGCCATCCAGAAGCACCTGGAGATGCAGTTTGGCAGCTGCAGCAGGCACCAGCC
 AGTGAGGACAGCCTGTCTGCGGAGGGCCGAGGGGCCCTCTGCGGGCGGTTCATGCAGTCACTGCGGAGAC
 CCAGCTGCTGTGGCTGCTCTGGAGCGGCTCCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221389 representing NM_183209
 Red=Cloning site Green=Tags(s)

MSSSHPEPGAREPQSPRPQALSQSSSSLLCEGREQKPELRKSASSTVWRAQQGEAGSSPRILQEEACQTE
 IPEHAQTAASQAGAGGHWRSSVGNVSTMIGDL CRLRAPSVAAVQRSHSDL VHSTQTRGHGGVQKPS
 LSCSALGSSPVHRAQLQPGSVAGQGGQTPAPLQSDSAPEDGTSKACTLGESQVWVPTVELEDATGLLRG
 PQGEPKATGQPPTTSCHALPPAALLCTLGEAVAGSCCHALPARGILAFPKLVASVSESLQAQCCKMFKHC
 KLSGGISGHPHCCVHPWGPTGLATESGSRTKDVTMTSATDLALGVASAQDAGVQAAPAAACKAVATSPS
 LEAPETLNLFPVMELESLRQASSPVRDVRWDAEGMTWEVYGASVDPVGLGIAIQKHLEMQFEQLQQAPA
 SEDSLSAEGRGPLRAVMQSLRRPSCCGCSGAPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

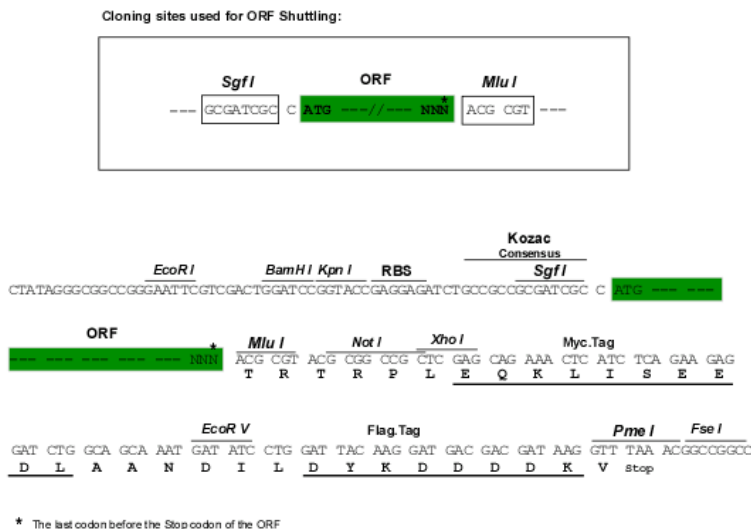
Chromatograms:

https://cdn.origene.com/chromatograms/mm9086_h04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_183209

ORF Size: 1365 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:
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_183209.2](#), [NP_899032.2](#)

RefSeq Size: 1601 bp

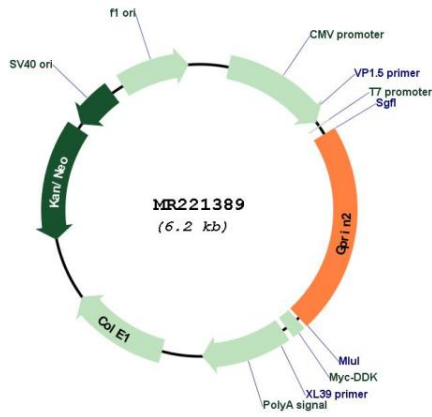
RefSeq ORF: 1368 bp

Locus ID: 432839

Cytogenetics: 14 B

MW: 47 kDa

Product images:



Circular map for MR221389