

Product datasheet for **MG221389**

Gprin2 (NM_183209) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gprin2 (NM_183209) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gprin2
Synonyms:	C130040D06Rik; C230073P13; Gm286; mKIAA0514
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221389 representing NM_183209
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCAGCCACCCTGAACCAGGTGCCCGGAACACAGAGTCCCCGTCCACAGGCCCTGTCTCAGA
 GTTCTCCAGCTTGTGTGAAGGCCGGGAGCAGAAGCCAGAGCTTCGCAAGAGTGCCAGCAGCACTGT
 ATGGCGGGCCAGCAGGGTGAGGCCGTTCTAGTCCCCGGATCCTGCAGGAGGAGCGTGCCAGACTGAG
 ATCCCAGAGCACGCGCAGACTGCAAGCACTGCATCACAGGCTGGGGCTGGAGGCCACTGGAGGAGCAGCA
 CTGTTGGTAATGTGTCTACCATGGGCATCGGTGATCTGTGTGCGCTACGGGCCCCAGCGTGGCAGCTGT
 GCAGAGGAGCCACTCAGACTTGGTACATAGTACCCAGACCCGGGGTTCATGGCGCGTTCAGAAGCCCAGT
 CTGAGCTGTTCTGCCCTTGGCAGCTCACCTGTCCACAGGGCTCAGTTGCAGCCTGGCAGTGTGCTGGCC
 AAGGAGGCCAGACCCCTGCACCCCTGCAGAGTGACTCAGCTCCAGAGGATGGGACTTCTAAATCAGCCTG
 CACGTTGGGGGAGAGTCAGGTGTGGGTGCCAACCGTAGAACTAGAAGATGCAACTGGTCTCTCCGAGGT
 CCCAGGGTGAGCCCAAAGCGACTGGACAGCCACCTACCACTTCCTGCCAGCTCTGCCTCCGGCAGCTC
 TGCTTTGCACCCTGGGGGAGGCTGTAGCTGGTAGCTGCTGCCATGCCCTGCCTGCCAGAGGCATCCTGGC
 CTTTCCCAAGCTGGTGGCGTCAGTCAGTGAGTCTGGGTTGCAGGCCCAAGTGTGGGATGAAATTCCTGT
 AAGTTGTCTGGGGGATTCTGGGCACCCTCACTGTTGTGTCCACCCTTGGGGCCCTACAGGGCTAGCCA
 CAGAGTCTGGCTCCAGGACCAAAGATGTGTGGACCATGACCTCAGCCACCATTGGCTCTGGGTGTGGC
 ATCGGCTCAGGATGCCGGGGTTCAGGCAGCTCCCGCGGCAGCTGCAAGGCTGTGGCTACCAGCCATCC
 CTGGAAGCGCTGAGACTCTGAACCTATTTCCAGAGGTAATGCTAGAGTCCGGCTACGACAGGCATCGT
 CACTGTGAGGGATGTACGATGGGATGCCGAGGCATGACATGGGAGGTGTATGGAGCCTCTGTGGACCC
 TGAGGTGCTCGGCATTGCCATCCAGAAGCACCTGGAGATGCAGTTTGAGCAGCTGCAGCAGGCACCAGCC
 AGTGAGGACAGCCTGTCTGCGGAGGGCCGAGGGGCCCTCTGCGGCGGTTCATGCAGTCACTGCGGAGAC
 CCAGCTGCTGTGGCTGCTCTGGAGCGGCTCCAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG221389 representing NM_183209
 Red=Cloning site Green=Tags(s)

MSSSHPEPGAREPQSPRPQALSQSSSSLLCEGREQKPELRKSASSTVWRAQQGEAGSSPRILQEEACQTE
 IPEHAQTAASQAGAGGHWRSSVGNVSTMGIGDLCLRLRAPSVAAVQRSHSDLVHSTQTRGHGGVQKPS
 LSCSALGSSPVHRAQLQPGSVAGQGGQTPAPLQSDSAPEDGTSKACTLGESQVWVPTVELEDATGLLRG
 PQGEPKATGQPPTTSCHALPPAALLCTLGEAVAGSCCHALPARGILAFPKLVASVSESLQAQCGMKFHC
 KLSGGISGHPHCCVHPWGPTGLATESGSRTKDVTMTSATDLALGVASAQDAGVQAAPAAACKAVATSPS
 LEAPETLNLFPVMLESLRQASSPVDRVWDVDAEGMTWEVYGASVDPEVLGIAIQKHLEMQFEQLQQAPA
 SEDSLSAEGRRGPLRAVMQSLRRPSCCGCSGAAP

TRTRPLE - GFP Tag - V

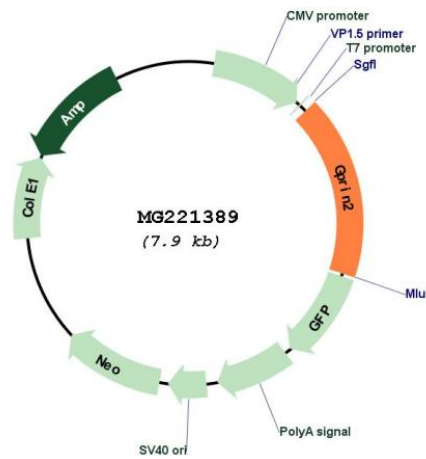
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	<u>NM_183209.2</u> , <u>NP_899032.2</u>
RefSeq Size:	1601 bp
RefSeq ORF:	1368 bp
Locus ID:	432839
Cytogenetics:	14 B