OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR219899

Gprin3 (NM_183183) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gprin3 (NM_183183) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gprin3
Synonyms:	C030038J10Rik; C730021L23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR219899 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGACTGTACCTGACCCTCTGAGGGTGACTAAAGCTTCGATAGTGGCAGCTTCTGGAAAGGAAGAGT
CTCGAGGGGAGTCGCAGAGTGTCTCACCACAACCAGCTCAGCCAGATAACAATGCTAGTGGCATTGGCAA
TGTTCCTGCAGAACTCAGCCTCCAGCTCAGTGCAGCTGCTCAAGCCCTGATGCAAGCTTGTGTGTCTGAG
TCCAGTCAGCAAGACATGGCATCTCCTGGTGTCTTCAGTGAGGGAGAGCCAGTGTCTCCCAAACAGAAAA
CACCTGATGACTTCCTGCTTCATGGAAGCAAGGAGTCCGCAGCTCCAGGCCTGAACGCTACTGCACAAAA
GGAACTTATATCTGCGCCATGTTTAATATCTGTAGTCCAGCACACTCACCATGCCATCCAAAGGGATGCA
CCAAATACTAGCACCTGTGCGGTACCTGAAGGTTCCTTGGTGAAATCCGAGGCAAACTCAAACGGCGAGA
ACCCTGAAAAGCCAGGTTGTCCTGCCAGGGTCACCTGTTGCAGCAGCAAAAATCAAGAAGGGCTCTGTGA
TTTTCCTTCTCCAGAAAACAGCCAAGGAATTTTACAGACTCCAGATATAGCATCCCCTTCTGCAGACAGA
CCTGAGGGGGAAGGGCAGAAAGTCATCAATAACATCACCGCGGTGTCCAGTGAACCTCCAGTAAGAGAGG
GGTGCTCGGAGAACAAACAGCCCTCTGCCACTGCCTTGAACACCACAGCTGAAAGGTCGGAAAACCCTCC
GCCGTCCCACCTCACCAGCAAAGGGGCCACATGTTCTTCAGAAGCAAGGCAGGCACTGCTACCAGCACAG
TATCCTGTGTCAAGGTTTAAAGAAGCCAGTACAATGACCTGCCAAGCTGAAAGTGGGGCTAAGGAGGTCT
CTGGCAGGGCTTGGCAAGATGCTGAGGTACAGGCAGTGGCAAGTGTGGAGAGCAGGTCTGTCTCTACCAG
CCCCAGTATCCTCCCCGCATATTTAAAAGAAAATCCTGCTCCTGAGCTAGAGAATGGGCAGGAGCAACTG
CGTGTCATTTGCCATGGCAAGGGCAGTGGGAACCACTTGTTGGAACTCTCTAACAGCATGGTAGACTCCC
AGGAGTCAAGGCAATGCCCCAGCATTGTACCACAGGTGCATATCCAAGCAGCCACTGCCACTCCTGCGGC
TTTCAAAGGGGGATGCAAACCAGCGAACCAACCAGCTGAAGGCCTTAAATCCCCACTGATCCATGTGACC
TCCAGTCAAAACACGGAAACAGAGGAAGACCTGCGGTTGTCAGCAAGCAAAGAGGCAACCTCTAGACAGC
CTGAAGGTACTAATCCTGACTTCCAGAAAGCTAACGCCATTGGCCAGATTTCCCTCCCAGCAGGGAGTCA
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AACTCAGGCAGCCCAAGACAGTCATGAGTCTGAGCCTGCCATCAGATGGCACAGGTGACTCGAGCCCAGG
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TGGGTGCAGACTCCAAGCTGCATCTGAAACAGTCCAAGCGAGTGAGGGATGTGGTGTGGGATGACCAGGG
CATGACCTGGGAGGTGTATGGTGCTTCCTTGGACCCAGAGTCCCTGGGAGTTGCCATCCAGAACCATTTA
CAAAGACAAATTAGGGAACATGAGAAGATAGTTAAAACACAAAGTGGCCAGACTCGAAGATCAATTTCCT
CAGATTCTTCTTCAAGTAAGAAGCTTAAAGGGAGACAACATGGTGTTCTGCAGTCCATGCTGCAAAACTT
CCGGCGCCCCAACTGCTGTGTCCGCCCTGCTCCGTCCTCTGTGCTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

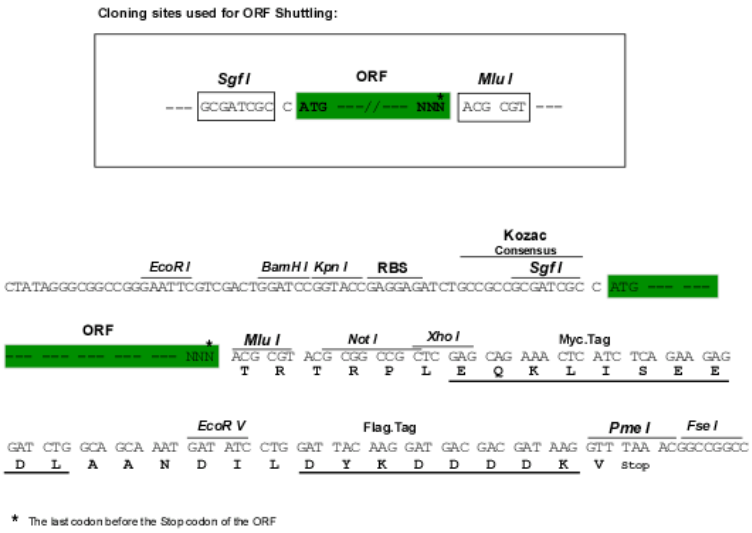
>MR219899 protein sequence
Red=Cloning site Green=Tags(s)

MGTVPDPLRVTKASIVAASGKEESRGESQSVSPQPAQPDNNASGIGNVPAELSLQLSAAAQALMQACVSE
SSQQDMASPGVFSEGEPVSPKQKTPDDFLLHGSKESAAPGLNATAQKELISAPCLISVVQHTHHAIQRDA
PNTSTCAVPEGSLVKSEANSNGENPEKPGCPARVTCCSSKNQEGLCDFPSPENSQGILQTPDIASPSADR
PEGEGQKVINNITAVSSEPPVREGCSENKQPSATALNTTAERSENPPPSHLTSKGATCSSEARQALLPAQ
YPVSRFKEASTMTCQAESGAKEVSGRAWQDAEVQAVASVESRSVSTSPSILPAYLKENPAPELENGQEQL
RVICHGKGSGNHLLELSNSMVDSQESRQCPSIVPQVHIQAATATPAAFKGGCKPANQPAEGLKSPLIHVT
SSQNTETEEDLRLSASKEATSRQPEGTNPDFQKANAIGQISLPAGSQAEINQGLWNSGPREPEIVVKTAK
DHKAESSCKPSNSGGGANKDYPPESLDPTDKKGAKDKKPASPLIVKDHAPGATSTLDAKTLLLNPKSQVK
EGEGPEVSPAPSPGRKSQQNTLEELRQPKTVMSLSLPSDGTGDSSPGSGKRTPSLSVKASPRRGSRVSEF
LKELSVTAAAAQVGLTPGEKKKQLGADSKLHLKQSKRVRDVVWDDQGMTWEVYGASLDPESLGVAIQNHL
QRQIREHEKIVKTQSGQTRRSISSDSSSSKKLKGRQHGVLQSMLQNFRRPNCCVRPAPSSVLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_183183

ORF Size: 2292 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_183183.3

RefSeq Size: 3100 bp

RefSeq ORF: 2292 bp

Locus ID: 243385

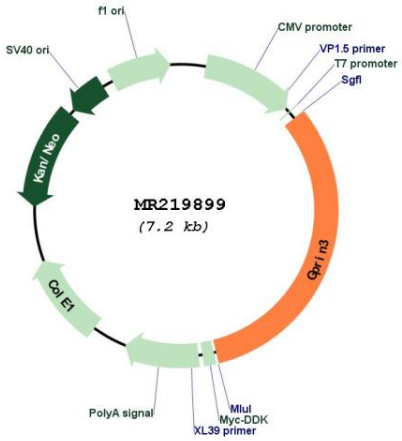
UniProt ID: Q8BWS5

Cytogenetics: 6 B3

MW: 80.5 kDa

Gene Summary: May be involved in neurite outgrowth.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219899