

Product datasheet for **MC222689**

Gprin1 (NM_012014) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gprin1 (NM_012014) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gprin1
Synonyms:	GRIN1; Z16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222689 representing NM_012014
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGGACTGCTGCTCCTCTCCAAAGGCCATCCCTGCACCCCAAGGCACGCCCTGGACCAGAGTTTAG
 GCATGGACCCAGACACACCAGTTCCAGTGGGGCTGCGGAAGGGGCTCCTGTTCTGAGAGGCTGCTGG
 GAGCTTAGCCTGCCCTTCTCCTAACTGCAGCCCTCTCCAGAGACACCGAGGGACACATGGAGCCTTGACC
 TCAGACAACCTCTGGAACGACTTTGTTTGGGAAGCCAGAGCCCATGTCCTCAGCAGAAGCCACTCCCACAG
 CCTCAGAGATCAGAAATCCTGTGTTCTCGGGGAAGATGGATGGCAACTCCTGAAGCAGGCAGACTCCAC
 TTCCACACGAAAGGAAGAGGCTGGTCTTGGGAATGAAGAGTCCATGTTGAAGGAAAAGGCAGAGCCT
 ATGATCTATGGAAGGGGAGCCTGGGACGGTAGGAAGAGTGGACTGCACAGCTTCAGGGCGGAGAATT
 CTGGGCTCTTGGGAAAAGTAGACATGCCATGTTCCAGCAAAGTGGATATAGTGTCCCCAGGAGAGACAA
 TGCTGGGTCTTAAAGAAAGTAGAGACTATATCCTCAGGCAAAATGGATCCAAAAACAGAGAATGTCATG
 CATTCCAGAAGAGAGCGCCCTGGATCCACAGGAGAGGGAGATCTTGTGTCTTTGAGGGAAAATGATATGA
 AACCCCGGACAAACAGATTCTGCCTCCAAAAAAGACAGACCCTGAGTTCTCTGAAAAGCTAACTCC
 AGGATCGTCAGGCAAGACAGAGCTTGTATCCTCAGTAACTGTGGCTCCTGTGACCTCTGAAAATGTGAAT
 CCTGTATGCTCGGGGGAGCAGGTCTGCAGCTGTGGGCAATTCAGAACTTTGTCTCAGTCAAGAAGG
 ACCCTCAGTTGCTTGGAAAGAAAGAGGCTGTCTCCTCAGGAGAAGGTGGGTCTGTATCGGTGAGAATGGC
 AGAAACAGTGTCTGCCAGACAGCCAGAAGGTAAGTTCCAGCAAAGACAGATTCTACATCTTCCAACAGT
 ACAGGACTTCAGGCAGAGCGGACCCTGTTTCCCTAAGAAATTCAGAACTTGTGTCCCCAGTGAACCCAG
 AACGCTTGTCTCTGGGCAGGCAGAACCGGTGTCCTTGGTAAAAACAGAAACATTAATCCTCAGGAAAAGA
 AGATCCAAAGTCTTCTAGAAGGGTGGATCACACGACTGTACAGGAAACATGCAAAACATCTCAAAAGGGG
 AATCCCGAGTCTTCAGGAAAGACAGACCTCGGGTCTTCGAGTTCAGGAGATACAGGTCTCTGGGGACTT
 GGGGTCCTGTCTGCTGCAAAAAGCTGAGGTGACTGAGGGGAAAGGAGACCCACAGCCCTGGAAGAAGGC
 AAGTCTCCAGCCTCAGAGAAGACCGATCCCCTGGCTTCAAGCAAGGCAGGCTCTGCAAGCCAGGAAAAG
 GCAGAAACGGTTTCCCCTGGAGAAGTGGACGCCATGACTTTAGGAAAAACGGTCCCAACGAGTTCAGGAA
 AAACAGCTTTGGTATCCCAGGGAAGGTGGATCTCATGACCTCAGAAAGAGCAGAAGGCATCCCAGAGCT
 GCAGGCTTCAGAGAAAGGAATCCTGTTAACTCCACACGGGTGGACACCGGGGCCACAGGGAGTACTGAG
 CCCAAATCTGGGGTCAAAGTGATAACCCAGATTCCAGGTGCCACATCCCAGGAAAAGGTGAAAATCCGT
 CTTTGGAAAAGGAGCAGCCACAACCTGTCTGAGAAGACAGATCCCTCCAGAAAAGTCGACCCCCACGAC
 TGTGGAGCCTGTGTCCCTGGGGAAGGCTGACTCTGCATCTCCATCTCCTAGAAAAGCAGAGTCTCAGACT
 TCCGCCAAGACTGTCCCTCAGGCCCCAGATAAGGCCACGTCTCTCAGGCAATCAGATGGCACACCCT
 ACAGCTCAGCCCAGCCCAGAGAGATACCAGGAGCATCGGATCCCTGCCAGAGCGGGAGCCCTCTGCCAG
 CACCAGCCAGAAAAGACCTAGCGGCAGCGGGCGCTCAGAAGAGCCCCAGCGCGGAGGCTGCGGCGCCCCCT
 CCAGGGCCACGGACTCGCGACAACCTCACCAAGGCGCGTCTGTGGGACGCCGAGCGCCACCGCCACGGC
 AGGACGCGGGCACCCAGGCAGGCGCGCAGGCTGCGTCTCGGTGGCGGTGAGCCCATGTCTCCGACAGGA
 CGGCGCGGGTGGCCCGCCTTACGCTTCCAGGCGCGCCGCGCGCCAGCCCGCGCCAGCCCGCGCCAGCCACCA
 TCGCGCCGGGACGCGGGCTGCAGGTGTCGCTGGGAGCCGCGAGACACGCTCGGTGGCCACGGGGCCCA
 TGACTCCGACAGCCGACGCGCCCGCGCTGCGCGCCGTCTTCCCGAGGTGCGGGTGGGCGCAGGCTC
 GGTGTTGGCGCCGCTTGGCGCCCAGGAGGCGACCGAGCCGTTGCGGACGTCGAGCTGGGACGAGAAG
 GGCATGACGTGGGAAGTGTACGGTGCTTCCATGGAGGTGGAGGTGCTGGGCATGGCCATCCAGAAGCATT
 TGGAGCGTCAGATCGAGGAGCACGGCCCAAGGGGCGCGCGCGCCGCGCCGCGCCGCGCCGCGCCGCGC
 GGGCCAGCCGTGCAGGCTCTGTGCGCACCGCACCGGCGGAGGGCGCCGCAAGCGCCCGCGGGCCTC
 TTCGCGCGCTGCTGCAGAGTGTGCGCCGGCCGCGGTGCTGCTCGCGGGCGGGCCCACTGCGGAG**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN:	NM_012014
Insert Size:	2799 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_012014.4 , NP_036144.2
RefSeq Size:	4367 bp
RefSeq ORF:	2799 bp
Locus ID:	26913
UniProt ID:	Q3UNH4
Cytogenetics:	13 B1
Gene Summary:	May be involved in neurite outgrowth.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.