

Product datasheet for **SC107394**

GPRIN1 (NM_052899) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRIN1 (NM_052899) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPRIN1
Synonyms:	GRIN1
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_052899, the custom clone sequence may differ by one or more nucleotides

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ATGGACACTGCTGAAGACCCGGCCTGGCTCCAGCTGCTTCAAAGGATTCCAGCCCCCAGGACCCCGAC
CCACAGCCTTCTTCTGCCACAGGATGGGAGCCTGGGGGCTGGCAGCTCGGCTATGAGGGATTACTGCC
CTCCCAGCAAAGGCAAGCCCTGCACCCCCAGGCACACCCTGACCAAAGCCCAGGCATGGAGTCTAGA
CACAGAAGCCCCAGTGGGGCTGGGAAGGGGCCTCCTGCTCTGACGGCCCCAGAGGGAGCCTGGCCTGCC
CCTCCCCAACCTGCTTCTCTCCCCAGGAGTCACCCCTCAAAGGAGACATTGGAGGCACATGGAGCCTCCAT
CTCAGGGACACCAGAAGCCACCAGTCTGGGAAGCCAGAGCCTGTGTCTCCGTGAAAACCTGAGCCCAAA
TCCTCAGATGACAGAAATCCCATGTTCTTAGAGAAGATGGATTTCAAGTCTCAAAGCAGGCCGATTCCA
CTTCCATAGGAAAGGAGGATCCTGGGCTCTCACGGAAGGCAGATCCCATGTTTACAGGAAAGGCAGAGCC
TGAAATCTTGGGAAAGGGGGATCCTGTGGCTCCTGGAAGGATGGATCCCATGACTGTAAGAAAGGAAGAT
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GGAGCCAGGTATTACAGGAAAAGAGCATCCTGTGCTCAGAAAAGTCCGCTCCTACATCTGCAGAAAAG
GTAGATCTTGATTGTCCGGAAAAGAGAGATCCTGGGCCCTCGGGAAGGCAGATCCCATGCCCTTGAAA
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CAAGAATGGGCCTGTATCCTCTGGGACCGGGGCTCCTGGGTCTTGGGAAGGCTGGATCCCACATGCTTG
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CGGTGCCCTCGGGAAGGTGGATCCCGTGTCCCTGGGAAAAGCAGAAGCTATCCCAGAGGGAAAAGTGGG
TTCTCTGCCTCTAGAGAAGGGGAGTCTGTTACCACCACAAAGGGGATCCCAGGCTCCTCGGGAAAAGCA
CAGCCGAGTCTGGTGGCAAAGCAGAAAACAAGCTCCCTGGGCAAGAGGGCGCTGCAGCACCAGGGGAAG
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CCAGGCAGTTAGACCGCAAAGCCCTCGGCTCAGCCCGTCTCCGAGGGTGCCAGGGGCAGTGAAGGCCG
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GCTGGGGCCGAGAGAAGCCCTGCCAGAGGCCGACGCCCCCGCCGGGGCCGCGGACTCGCGACAACCT
TCACCAAGGCCTCGTGGGAGGCGAGCGCCCCGCGCCGCGCAGGACCGGGCACTCAGGCGGG
CGCGCAGGCTGCGTCTCAGTGGCCGTGAGCCCCATGTCTCCGCAGGACGGCGCTGGGGGCTCGGCCTT
AGCTTCCAGGCGGCGCCGCGCGCCAGCCCGCCTCGCGCCGAGATGCGGGCCTGCAGGTGTGCTGG
GCGCCGCGCAGACGCGCTCCGTGGCCACTGGGCCATGACACCTCAAGCCGCGCGCCGCGCCCTTCCC
CGAAGTGCGGGTGCGGCCGGCTCAGCGCTGGCGCCGCTGTAGCGCCCCGGAGCCGGCTGAGCCCGTG
CGAGACGTGAGCTGGGACGAGAAGGCATGACGTGGGAGGTATACGGCGCCGCCATGGAGGTGGAGGTGC
TGGGCATGGCCATCCAGAAGCATCTGGAGCGACAGATCGAGGAGCACGGCCGCAAGGGGCGCCCGCC
GCCGCCCGCCCGTGCAGGCCCGCCGCTTCCGGCTCGGTGCGCACCCGCGCCCCAGATGGCGCCGCC
AAGCGTCCGCCCGCCTGTTCCGCGCGTCTGCAGAGTGTGCGCCGGCCGCGGTGCTGCTCGGGGCGG
GACCCACGGCCGAGTGA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_052899 unedited GCATTATGTAATACGACTCACTATAGNNGGCGGCCGNAATTCGGCACGAGGCAGACAG CAGCCTTGGGTGCAGGCGTGGTCATGAGGGCAGATGGACTGCTGAAGACCCGGCCTGG CTCCAGCTGCTTCAAAGGATCCAGCCCCCAGGACCCCGACCCACAGCCTTCTTCTGC CCACAGGATGGGAGCCTGGGGCTGGCAGCTCGGCTATGAGGGATTACTGCCCTCCCAG CAAAAGGCAAGCCCTGCACCCCCAGGCACACCCTGACCAAAGCCAGGCATGGAGTCT AGACACAGAAGCCCAAGTGGGGCTGGGAAGGGCCTCCTGCTGACGGCCCCAGAGGG AGCCTGGCTGCCCTCCCAACCTGCTTCTCTCCCAGGAGTCACCCTCCAAGGAGACA TTGGAGGCACATGGAGCCTCCATCTCAGGGACACCAGAAGCCACCACGTCTGGGAAGCCA GAGCCTGTGTCCTCCGTGAAAACCTGAGCCCAAATCCTCAGATGACAGAAATCCCATGTT TTAGAGAAGATGGATTTCAAGTCTCAAAGCAGGCCGATTCCACTTCCATAGGAAAGGAG GATCCTGNGTCTCACGGAAGGCAGATCCCATGTTTACAGGAAAGGCAGAGCCTGAAATC TTGGGAAAGGGGATCCTGTGGCTCCTGGAAGGATGGATCCCATGACTGTAAAGAAAGGAA GATCTTGGATCCCTGGGAAAAGTAGATTCTTTGTGCTCCAGCAAGACGTATACAGTGTC CCAAGAAAGTGGATCCTGTGCTCAGACAAGTGGACCCTGTATCCCAAGAAAGAGGA GTCCAGTATTCAGGAAAGACCTCCTGGTCTAAAAAGTCTTCTCCTTGCACAAAGTA GACTGTTTGGCGGAAAAAGACCTGGCCCTGGAAGAGATCCCGCCTTGCAGATGATTTG CA
Restriction Sites:	NotI-NotI
ACCN:	NM_052899
Insert Size:	1400 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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
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_052899.1, NP_443131.1

RefSeq Size: 4208 bp
RefSeq ORF: 3027 bp
Locus ID: 114787
UniProt ID: [Q7Z2K8](#)
Cytogenetics: 5q35.2
Gene Summary: May be involved in neurite outgrowth.[UniProtKB/Swiss-Prot Function]