

## Product datasheet for **SC122821**

### **G protein regulated inducer of neurite outgrowth 2 (GPRIN2) (NM\_014696) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	G protein regulated inducer of neurite outgrowth 2 (GPRIN2) (NM_014696) Human Untagged Clone
Tag:	Tag Free
Symbol:	G protein regulated inducer of neurite outgrowth 2
Synonyms:	GRIN2; KIAA0514
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_014696 edited  
 GCCTTTGCTCCTGAGAAGTTACTGACAGGTGGAACCTGAGGCAGCAGGACAGCCTGGCAT  
 TGGCCACGGGACATCGGCCACAACCATAGCAACTTCGGCATCAAATGGGGCAGGAGAGAG  
 AACATTAAGGCAGCCATGAGCTCCAGCCACCCCGAGCCGGTCCCTGGGCACCCCTGAGC  
 CCCCCTTCAGCCCCTGTCCAGAGCTTTCCAGCCTGCTGGGTGAAGGCCGGGAACAG  
 AGGCCAGAGCTCCACAAGACTGCCAGCAGCACCATGTGGCAGGCCAGCTGGGCGAGGCC  
 AGCACCAGACCCAGGCCCGGAGGAAGAGGGGAACCCGCTGAGAGCATGAAGCCAGCA  
 CGGGCCTCTGGCCCAAGGCGCGACCCAGTGTGGAGGCCACTGGCGGAGCAGCACTGTG  
 GGCAATGTGTCCACCATGGGCGGTGGTGACCTTTGTGCGCTGCGGGCCCTAGTGCTGCT  
 GCTATGCAGAGGAGCCATTAGACCTGGTCCGTAGCACCCAGATGCGGGGACACAGTGGT  
 GCTCGGAAGGCCAGTCTCAGCTGCTCAGCCCTTGGCAGCAGCCCTGTCCACAGGGCTCAG  
 CTGCAGCCAGGTGGTACTTCTGGCCAGGGTGGCCAGGCCCTGCAGGCCTGAAAGGGAC  
 CTGGCTCCTGAGGATGAGACTTCTAACTCAGCCTGGATGCTGGGGGCGAGTCAGTTGTG  
 GTGCCACCACTAGACCTGGGGGACACAACCTGCCACAGCAGCAGTGGCCAGGCTGAGCCC  
 AAAGTGTGAACAGCTGGCTACCACCCTGCCATGCTCTGCCCCAGCTGCTCTACTC  
 TGTGGCATGAGGGAGATGAGGGAGGTGGGGCTGGTGGCTGCTGCCATGCCCTACCTGCC  
 ACAGGGATCCTGGCCTTTCCAAACTAGTGGCGTCAGTGAGCGAGTCTGGGCTGCAGGCT  
 CAGCATGGGGTGAAGATCCACTGTAGGTTGTCTGGGGGGCTCCCTGGGCACTCCCATTGC  
 TGTGCCACCTTTGGGGTCCCGTGGGTTAGTCCCAGAGCCTGGCTCTAGGACCAAAGAT  
 GTGTGGACCATGACCTCAGCCAATGACTTGGCCCTGCAGAGGCATCCCCGCTGTAGCC  
 CAGGATGCTGGTGTGACGGCGGCCAGTGGCGGCTGCAAGGCTGTGGCCACAGTCCG  
 TCCCTGGAAGCGCCTGCAGCCCTGCATGTGTTCCAGAGGTAACCTGGGGTCCAGCCTG  
 GAGGAGCGCCGCTCCCTGTGCGGGATGTGCGATGGGATGCTGAGGGCATGACATGGGAG  
 GTGTACGGAGCTCGGTTGACCCGGAGGTGCTCGGTGTGGCCATCCAGAAGCACCTGGAG  
 ATGCAGTTTGAGCAGCTGCAGCGGGCGCCTGCCAGCGAGGACAGCCTGTCTGTGGAGGGC  
 CGGAGGGGGCCGCTGCGGGCTGTATGCAGTCCCTGCGGCGCCCACTGCTGCGGCTGC  
 TCTGGCGCGGCCCGAGTGAGGAGCTGTGGCCCTTGGAGCTGGCCTGGGCCCACTGACT  
 TAGTCCTAGACCTGGGCCAGGACAGTGGGGGCTCCGTGCCCCCTGGACCCACGGCAGC  
 TGGGCACATGTCTACCCGAATATCGGCTGCCTCCAGACCACAGGACTGCAGCCTGGGGC  
 TTCCGGCCCCACACAGCTGGGCTGTTTTCTTAAGGGCTTGATTTCAAGGGCCACATCTC  
 TGCACCTTCCAGGCTCTGAACCTTGTGAGACAGGGCTTTAGCACTGTGCAGAGGGGAGATCC  
 TGAGTTTTCTTTAAAAAATGACCTTTTGTTCAAAAAATAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_014696 unedited  
 GGGAAAGTGCCGGTACANAATTTGTNATACNACTCATNATAGGCGGCCGNAATTCGCAC  
 GGGGCTTTTGTCTCCTGAAATTAAGTACGGTGGAACTGAGGCAGCAGGACAGCCTGGCAT  
 TGGCCACGGGACATCGGCCACAACCATAGCAACTTCGGCATCAAAGGGGCAGGAGAGAGA  
 ACATTAAGGCAGCCATGAGCTCCAGCCACCCCGAGCCGGTCCCTGGGCACCCCTGAGCC  
 CCCGCTTCAGCCCCTGTCCAGAGCTTTCCAGCCTGCTGGGTGAAGGCCGGGAACAGA  
 GGCCAGAGCTCCACAAGACTGCCAGCAGCACCATGTGGCAGGCCAGCTGGGCGAGGCCA  
 GCACCAGACCCAGGCCCGGAGGAAGAGGGGAACCCGCTGAGAGCATGAAGCCAGCAC  
 GGGCCTCTGGCCCAAGGCGCGACCCAGTGTGGAGGCCACTGGCGGAGCAGCACTGTGG  
 GCAATGTGTCCACCATGGGCGGTGGTGACCTTTGTGCGCTGCGGGCCCTAGTGCTGCTG  
 CTATGCAGAGGAGCCATTAGACCTGGTCCGTAGCACCCAGATGCGGGGACACAGTGGT  
 CTCGGAAGGCCAGTCTCAGCTGCTCAGCCCTTGGCAGCAGCCCTGTCCACAGGGCTCAGC  
 TGCAGCCAGGTGGTACTTCTGGCCAGGGTGGCCAGGCCCTGCAGGCCTGAAAGGGACC  
 TGGCTCCTGAAGATGAGACTTCTAACTCAGCCTGGATGCTGGGGGCGAGTCAGTTGTG  
 GTGCCACCACTAGACCTGGGGGACACAACCTGCCACAGCAGCAGTGGCCAGGCTGAGCC  
 CAAAGTCTGTAACAGCTGGCTACCACCACCTGCCAA

**Restriction Sites:** Please inquire

<b>ACCN:</b>	NM_014696
<b>Insert Size:</b>	1905 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_014696.2</a> , <a href="#">NP_055511.1</a>
<b>RefSeq Size:</b>	1896 bp
<b>RefSeq ORF:</b>	1386 bp
<b>Locus ID:</b>	9721
<b>UniProt ID:</b>	<a href="#">O60269</a>
<b>Cytogenetics:</b>	10q11.22
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>Gene Summary:</b>	May be involved in neurite outgrowth.[UniProtKB/Swiss-Prot Function]