

## Product datasheet for **SC110942**

### **GPIP137 (CAPRIN1) (NM\_005898) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPIP137 (CAPRIN1) (NM_005898) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPIP137
Synonyms:	GPIAP1; GPIP137; GRIP137; M11S1; p137GPI; RNG105
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:** >NCBI ORF sequence for NM\_005898, the custom clone sequence may differ by one or more nucleotides

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ATGCCCTCGGCCACCAGCCACAGCGGGAGCGGCAGCAAGTCGTCCGGACCGCCACCGCCGTCGGGTTCTT
CCGGGAGTGAGGCGGCCCGGGAGCCGGGGCCCGCCGCGCGCTTCTCAGCACCCCGCAACCGGCACCGG
CGCTGTCCAGACCGAGGCCATGAAGCAGATTCTCGGGGTGATCGACAAGAACTTCGGAACCTGGAGAAG
AAAAAGGGTAAGCTTGATTACCAGGAACGAATGAACAAAGGGGAAAGGCTTAATCAAGATCAGCTGG
ATGCCGTTTCTAAGTACCAGGAAGTCACAAATAATTTGGAGTTTGCAAAAAGAATTACAGAGGAGTTTCAT
GGCACTAAGTCAAGATATTCAGAAAAACAATAAAGAAGACAGCACGTCCGGGAGCAGCTTATGAGAGAAGAA
GCTGAACAGAAACGTTTAAAACTGTACTTGAGCTACAGTATGTTTTGGACAAAATGGGAGATGATGAAG
TGCGGACTGACCTGAAACAAGGTTTGAATGGAGTGCCAAATATTGTCCGAAGAGGAGTTGTCATTGTTGGA
TGAATTCTATAAGCTAGTAGACCCTGAACGGGACATGAGCTTGAGGTTGAATGAACAGTATGAACATGCC
TCCATTACCTGTGGGACCTGCTGGAAGGGAAGGAAAAACCTGTATGTGGAACCACCTATAAAGTTCTAA
AGGAAATTGTTGAGCGTGTTTTTAGTCAAACCTTTTGACAGCACCCACAACCACCAGAATGGGCTGTG
TGAGGAAGAAGAGGCAGCCTCAGCACCTGCAGTTGAAGACCAGGTACCTGAAGCTGAACCTGAGCCAGCA
GAAGAGTACACTGAGCAAAGTGAAGTTGAATCAACAGAGTATGTAATAGACAGTTTCATGGCAGAAACAC
AGTTACCAAGTGGTGAAGGAGCAGGTAGATGAGTGGACAGTTGAAACGGTTGAGGTGGTAAATTTCACT
CCAGCAGCAACCTCAGGCTGCATCCCCTTCCAGTACCAGAGCCCCACTCTTTGACTCCAGTGGCTCAGGCA
GATCCCCTTGAGAGAAGACAGCGAGTACAAGACCTTATGGCACAATGCAGGGTCCCTATAATTTTCATAC
AGGATTCATGCTGGATTTTGAATCAGACACTTGATCCTGCCATTGTATCTGCACAGCCTATGAATCC
AACAAAAACATGGACATGCCCCAGCTGGTTTGCCTCCAGTTCATTCTGAATCTAGACTTGCTCAGCCT
AATCAAGTTCCTGTACAACCAGAAGCGACACAGTTTCTTTGGTATCATCCACAAGTGAGGGGTACACAG
CATCTCAACCCTTGACCAGCCTTCTCATGCTACAGAGCAACGACCACAGAAGGAACCAATTGATCAGAT
TCAGGCAACAATCTCTTTAAATACAGACCAGACTACAGCATCATCATCCCTTCTGCTGCGTCTCAGCCT
CAAGTATTTAGGCTGGGACAAGCAAACCTTTACATAGCAGTGGAAATCAATGTAATGCAGCTCCATTCC
AATCCATGCAAACGGTGTCAATATGAATGCCCCAGTTCTCCTGTTAATGAACCAGAACTTTAAAAACA
GCAAAATCAGTACCAGGCCAGTTATAACCAGAGCTTTTCTAGTCAGCCTCACCAGTAGAACAACAGAG
CTTCAGCAAGAACAGCTTCAAACAGTGGTTGGCACTTACCATGGTTCCCCAGACCAGTCCCATCAAGTGA
CTGGTAACCACCAGCAGCCTCCTCAGCAGAACACTGGATTTCCAGTAGCAATCAGCCCTATTACAATAG
TCGTGGTGTGCTCGTGGAGGCTCCCGTGGTGCTAGAGGCTTGATGAATGGATACCGGGGCCCTGCCAAT
GGATTCAGAGGAGGATATGATGGTTACCGCCCTTCACTTCTAACACTCCAACAGTGGTTATACACAGT
CTCAGTTCAGTGCTCCCCGGGATTACTCTGGCTATCAACGGGATGGATATCAGCAGAATTTCAAGCGAGG
CTCTGGGCAGAGTGGACCACGGGGAGCCCCACGAGGTCGTGGAGGGCCCCAAGACCCAACAGAGGGATG
CCGCAATGAACACTCAGCAAGTGAATTA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005898 unedited  
 TGTCAACATTTGTATACGACTCCTATAGGCGGCCGCGNATTCGGCACGAGGCGGGACAGG  
 GCGAAGCGGCCTGCGCCACGGAGCGCGGACACTGCCCGGAAGGGACCGCCACCCTTGC  
 CCCCTCAGCTGCCACTCGTGATTTCCAGCGGCCTCCGCGCGCGCACGATGCCCTCGGCC  
 ACCAGCCACAGCGGGAGCGGCAGCAAGTCGTCCGGACCGCCACCGCCGTCGGGTTCTCC  
 GGGAGTGAGGCGGCCGCGGGAGCCGGGCGCCGCGCCGGCTTCTCAGCACCCCGCAACC  
 GGCACCGGCGCTGTCCAGACCGAGGCCATGAAGCAGATTCTCGGGGTGATCGACAAGAAA  
 CTTGGAACCTGGAGAAGAAAAAGGTAAGCTTGATGATTACCAGGAACGAATGAACAAA  
 GGGAAAAGGCTTAATCAAGATCAGCTGGATGCCGTTTCTAAGTACCAGGAAGTCACAAAT  
 AATTTGGAGTTTGCAAAAAGAATTACAGAGGAGTTTCATGGCACTAAGTCAAGATATTCAG  
 AAAACAATAAAGAAGACAGCACGTGGGAGCAGCTTATGAGAGAAGAAGCTGAACAGAAA  
 CGTTTAAAAACTGTAAGTACAGTATGTTTTGGACAAATTTGGAGATGATGAAGTG  
 CGGACTGACCTGAAACAAGTTTGAATGGAGTGCCAATATTGTCCGAGAGGAGCTGCAT  
 TGTTGGATGAATTCTATAAGCTAGTAGACCCTGAACGGGACATGAGCCTGAGGTTGAATG  
 AACAGTATGAACATGCCTCCATTACCTGTGGACCTGCTGGAAGGAAGGAANAACCTG  
 TATGTGGAACCACCTATAAAGGCTAAAGGAAATTGTTGAGCGTGTTCAGTCAAACCT  
 ACTTTG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005898 unedited  
 NNTTTTTACTCTGGACCCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCA  
 AAAACTTATTTTATTTTATTTTAAAATAAACATTGAAGATCCCCATTTCCACCACCCT  
 ACAAAACTTTTGAATGTGGAATGTTCAACAGCCTATCCATTTTGGTAGGTTACAAAACCA  
 GCAAAAACCTCCAGTTGTCTAATGATGAATGTTTGAATAAGTTTTGTTTTTAAATAGCTG  
 AGCACCTACTGGAAAAATTCCTGGGCTAAATGCTGAAAAATAAATTTAATTTCTGCACAG  
 AAAATACCATTAAGTAGCCTTTGCTTAAAGGTGGGATTAATTCCTCATGAAGTCAG  
 AATGAGACAATAAGCAGCATTAACTTCATAGGCACACAGAAGTAGTGCTCAAAGTCTAG  
 CACAAATCCAACAGAGTACATAAGGCTAAGTCACTACTCAAGTGTCCATTTCCATCAA  
 TTTAGAGACTCTCCCTATGCATCTAAGGGAAGGAATTACTGAATATAAATGCCTCCA  
 GGAGAAACGGAGAATTCAGTTAAGGTTAAATTAGACAAAAGATAATAAGTGAAGTACTA  
 GAGAAAATGTTGCTGGAGATAAACCATAAAATTTGTGACACTAACGTGGCATGGGGTGAAT  
 CACATAAGCTGTAGCTGTTGAACACCAGTGTTCAGATACAACTTTTATAAACGTTTT  
 ATTTGTTTTGCTTATACCATCAGAACTGAACTACTGNTCCGTGATTTCCCTGAAACAGG  
 AAAATCAATCTAAAACATACTGGNTGCCTTTCAAAGAAAGCAATTGAAAAGGGTGGTAG  
 CAGCAGGCATTTGTTATCTTTCTTTTAAAAAAGCTTTCAGCTGAGGAAAAACATGTGA  
 CGGAAAGGTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_005898

**Insert Size:**

3990 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).

<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_005898.4</a> , <a href="#">NP_005889.3</a>
<b>RefSeq Size:</b>	5562 bp
<b>RefSeq ORF:</b>	2130 bp
<b>Locus ID:</b>	4076
<b>UniProt ID:</b>	<a href="#">Q14444</a>
<b>Cytogenetics:</b>	11p13
<b>Gene Summary:</b>	<p>May regulate the transport and translation of mRNAs of proteins involved in synaptic plasticity in neurons and cell proliferation and migration in multiple cell types. Binds directly and selectively to MYC and CCND2 RNAs. In neuronal cells, directly binds to several mRNAs associated with RNA granules, including BDNF, CAMK2A, CREB1, MAP2, NTRK2 mRNAs, as well as to GRIN1 and KPNB1 mRNAs, but not to rRNAs.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>