

## Product datasheet for **SC308136**

### **GPIP137 (CAPRIN1) (NM\_203364) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPIP137 (CAPRIN1) (NM_203364) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPIP137
Synonyms:	GPIAP1; GPIP137; GRIP137; M11S1; p137GPI; RNG105
Vector:	<u><a href="#">pCMV6 series</a></u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_203364, the custom clone sequence may differ by one or more nucleotides

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ATGCCCTCGGCCACCAGCCACAGCGGGAGCGGCAGCAAGTCGTCGGACCGCCACCGCCG
TCGGGTTCTCCGGGAGTGAGGCGGGCCGGGAGCCGGGGCCCGCGCCGGCTTCTCAG
CACCCCGCAACCGGCACCGGCGCTGTCCAGACCGAGGCCATGAAGCAGATTCTCGGGTG
ATCGACAAGAACTTCGGAACCTGGAGAAGAAAAAGGTAAGCTTGATGATTACCAGGAA
CGAATGAACAAAAGGGAAAGGCTTAATCAAGATCAGCTGGATGCCGTTTCTAAGTACCAG
GAAGTCACAAATAATTTGGAGTTTGCAAAAAGAATTACAGAGGAGTTTCATGGCACTAAGT
CAAGATATTCAGAAAACAATAAAGAAGACAGCACGTCGGGAGCAGCTTATGAGAGAAGAA
GCTGAACAGAAACGTTTAAAACTGTACTTGAGCTACAGTATGTTTTGGACAAATTGGGA
GATGATGAAGTGCGGACTGACCTGAAACAAGGTTTGAATGGAGTGCCAATATTGTCCGAA
GAGGAGTTGTCATTGTTGGATGAATTCTATAAGCTAGTAGACCCTGAACGGGACATGAGC
TTGAGGTTGAATGAACAGTATGAACATGCCTCCATTACCTGTGGGACCTGCTGGAAGGG
AAGGAAAAACCTGTATGTGGAACCCTATAAAGTTCTAAAGGAAATTGTTGAGCGTGTT
TTTCAGTCAAACACTTTTACAGCACCCACAACCACAGAAATGGGCTGTGTGAGGAAGAA
GAGGCAGCCTCAGCACCTGCAGTTGAAGACCAGGTACCTGAAGCTGAACCTGAGCCAGCA
GAAGAGTACACTGAGCAAAGTGAAGTTGAATCAACAGAGTATGTAATAGACAGTTCATG
GCAGAAACACAGTTACACAGTGGTGAAGGAGCAGGTAGATGAGTGGACAGTTGAAACG
GTTGAGGTGGTAAATTCCTCCAGCAGCAACCTCAGGCTGCATCCCTTTCAGTACCAGAG
CCCCACTCTTTGACTCCAGTGGCTCAGGCAGATCCCTTGTGAGAAGACAGCGAGTACAA
GACCTTATGGCACAAATGCAGGGTCCCTATAATTCATACAGGATTCAATGCTGGATTTT
GAAAATCAGACACTTGATCCTGCCATTGTATCTGCACAGCCTATGAATCCAACACAAAAC
ATGGCATGCCCCAGCTGGTTTGCCTCCAGTTCATTCTGAATCTAGACTTGCTCAGCCT
AATCAAGTTCCTGTACAACCAGAAGCGACACAGGTTCTTTGGTATCATCCACAAGTGAG
GGGTACACAGCATCTCAACCCTTGACAGCCTTCTCATGCTACAGAGCAACGACCACAG
AAGGAACCAATTGATCAGATTCAGGCAACAATCTCTTAAATACAGACCAGACTACAGCA
TCATCATCCCTTCTGCTGCGTCTCAGCCTCAAGTATTCAGGCTGGGACAAGCAAACCT
TTACATAGCAGTGAATCAATGTAATGCAGCTCCATTCCAATCCATGCAAACGGTGTTT
AATATGAATGCCCGAGTTCCTCCTGTTAATGAACCAGAACTTTAAAACAGCAAATCAG
TACCAGGCCAGTTATAACCAGAGCTTTTCTAGTCAGCCTACCAAGTAGAACAACAGAG
CTTCAGCAAGAACAGCTTCAAACAGTGGTTGGCACTTACCATGGTTCCCCAGACCAGTCC
CATCAAGTGACTGGTAACCACCAGCAGCCTCCTCAGCAGAACACTGGATTTCACGTAGC
AATCAGCCCTATTACAATAGTCGTGGTGTCTCGTGGAGGCTCCCGTGGTGCTAGAGGC
TTGATGAATGGATACCGGGCCCTGCCAATGGATTGAGGAGGATATGATGGTTACCGC
CCTTCACTCTCTAACACTCCAAACAGTGGTTATACACAGTCTCAGTTCAGTGCTCCCCGG
GATTACTCTGGCTATCAACGGGATGGATATCAGCAGAATTTCAAGCGAGGCTCTGGGCAG
AGTGGACCACGGGGAGCCCCACGAGGTAATATTTGTGGTGGTGA

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**Restriction Sites:** Please inquire

**ACCN:** NM\_203364

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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>	<u><a href="#">NM_203364.2</a></u> , <u><a href="#">NP_976240.1</a></u>
<b>RefSeq Size:</b>	3553 bp
<b>RefSeq ORF:</b>	2085 bp
<b>Locus ID:</b>	4076
<b>UniProt ID:</b>	<u><a href="#">Q14444</a></u>
<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 (2) differs in the 3' UTR and coding region compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.</p>