

## Product datasheet for **RG216466**

### GIPC (GIPC1) (NM\_005716) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | GIPC (GIPC1) (NM_005716) Human Tagged ORF Clone  |
| Tag:                      | TurboGFP   |
| Symbol:                   | GIPC   |
| Synonyms:                 | C19orf3; GIPC; GLUT1CBP; Hs.6454; IIP-1; NIP; OPDM2; RGS19IP1; SEMCAP; SYNECTIN; SYNECTIN; TIP-2 |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >RG216466 representing NM_005716<br>Red=Cloning site Blue=ORF Green=Tags(s)                      |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCGCTGGGACTGGGGCGCGGAAAAAGGCGCCCCCTCTAGTGAAAAATGAGGAGGCTGAGCCAGGCC  
GTGGAGGGCTGGGCGTGGGGGAGCCAGGGCCTCTGGGCGAGGTGGGTCGGGGGGCCCCAAATGGGCTT  
GCCCCCCTCCCCAGCCCTGCGGCCCGCCTCGTGTCCACACCCAGCTGGCCATGGCAGTCCCCT  
GGCCGCATCGAGGGCTTCAACAACGTCAAGGAGCTGTATGGCAAGATCGCCGAGGCTTCCGCCTGCCAA  
CTGCCGAGGTGATGTTCTGCACCCTGAACACCCACAAAGTGGACATGGACAAGCTCCTGGGGGGCCAGAT  
CGGGCTGGAGGACTTCATCTTCGCCACGTGAAGGGGCGAGCAAGGAGGTGGAGGTGTTCAAGTCGGAG  
GATGCACTCGGGCTCACCATCACGGACAACGGGGCTGGCTACGCCTTCATCAAGCGCATCAAGGAGGGCA  
GGTGATCGACCACATCCACCTCATCAGCGTGGGCGACATGATCGAGGCCATTAACGGGCAGAGCCTGCT  
GGGCTGCCGCACTACGAGGTGGCCCGGCTGCTCAAGGAGCTGCCCGAGGCCGTACCTTACGCTGAAG  
CTCACGGAGCCTCGAAGGCCTTCGACATGATCAGCCAGCGTTCAGCGGGTGGCCGCCCTGGCTCTGGCC  
CACAATGGGCACTGGCCGAGGGACCCTGCGGCTCCGATCCCAGGGCCCCGCCACGGTGGAGGATCTGCC  
CTCTGCCCTTTGAAGAGAAGGCCATTGAGAAGGTGGATGACCTGCTGGAGAGTTACATGGGTATCAGGGAC  
ACGGAGCTGGCGGCCACCATGGTGGAGCTGGGAAAGGACAAAAGGAACCCGGATGAGCTGGCCGAGGCC  
TGGACGAACGGCTGGGTGACTTTGCCTCCCTGACGAGTTCGCTTTGACGCTCTGGGGCGCCATTGGGA  
CGCAAGGTCGGCCGCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG216466 representing NM\_005716  
 Red=Cloning site Green=Tags(s)

MPLGLGRRKKAPPLVENEEAEPGRGGLGVGEPGPLGGGGSGGPQMGLPPPPPALRPRLVFHTQLAHGSPT  
 GRIEGFTNVKELYGKIAEAFRLPTAEVMFCTLNTHKVDMDKLLGGQIGLEDFIFAHVKGQRKEVEVFKSE  
 DALGLTITDNGAGYAFIKRIKEGSVIDHIHLISVGMIEAINGQSLLGCRHYEVARLLKELPRGRTFTLK  
 LTEPRKAFDMISQRSAGGRPGSGPQLGTGRGTLRLRSRGPATVEDLPSAFEEKAIEKVDDLLESYMGIRD  
 TELAATMVELGKDKRNPDELAELDERLGDFAFPDEFVFDVWGAIGDAKVGRY

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005716

**ORF Size:** 999 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_005716.4](#)

**RefSeq Size:** 1947 bp

**RefSeq ORF:** 1002 bp

**Locus ID:** 10755

**UniProt ID:** [O14908](#)

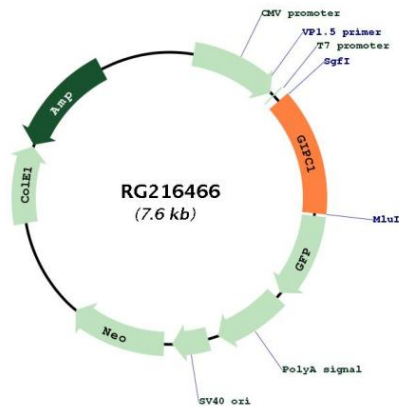
**Cytogenetics:** 19p13.12

**Domains:** PDZ

**Protein Families:** Druggable Genome

**Gene Summary:** GIPC1 is a scaffolding protein that regulates cell surface receptor expression and trafficking (Lee et al., 2008 [PubMed 18775991]),[supplied by OMIM, Apr 2009]

**Product images:**



Circular map for RG216466