

## Product datasheet for RC201175

### GIPC (GIPC1) (NM\_202470) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GIPC (GIPC1) (NM_202470) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GIPC
Synonyms:	C19orf3; GIPC; GLUT1CBP; Hs.6454; IIP-1; NIP; OPDM2; RGS19IP1; SEMCAP; SYNECTIN; SYNECTIN; TIP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201175 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCGCTGGGACTGGGGCGCGGAAAAAGGCGCCCCCTCTAGTGAAAAATGAGGAGGCTGAGCCAGGCC  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:** >RC201175 protein sequence  
Red=Cloning site Green=Tags(s)

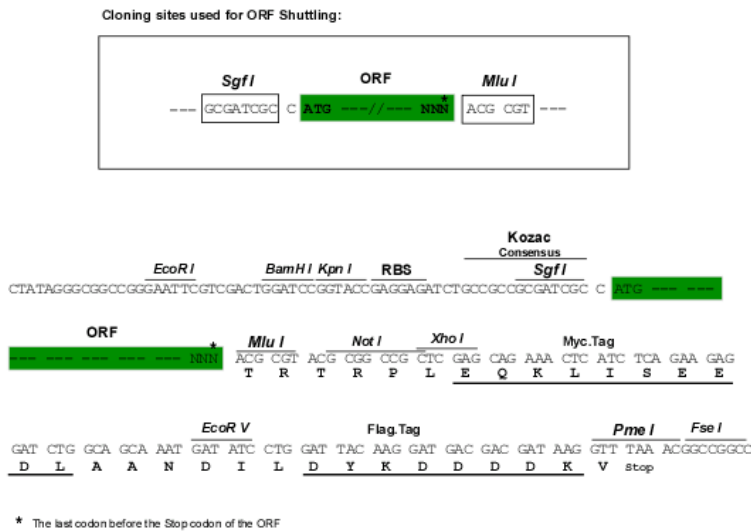
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 TELAATMVELGKDKRNPDELAELDERLGDFAFPDEFVFDVWGAIGDAKVGRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6569\\_f05.zip](https://cdn.origene.com/chromatograms/mk6569_f05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_202470

**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\\_202470.3](#)

**RefSeq Size:** 1820 bp

**RefSeq ORF:** 1002 bp

**Locus ID:** 10755

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

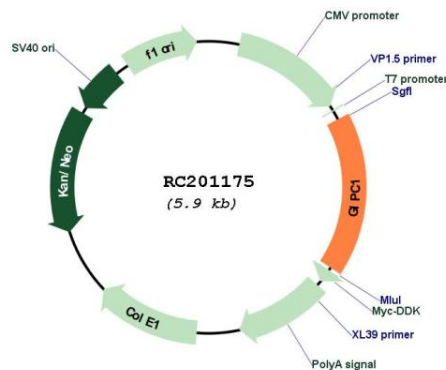
**Cytogenetics:** 19p13.12

**Protein Families:** Druggable Genome

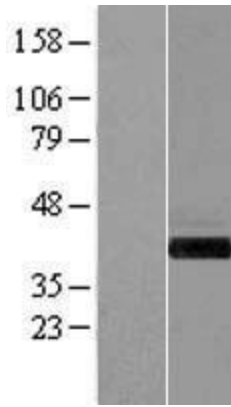
**MW:** 36 kDa

**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]

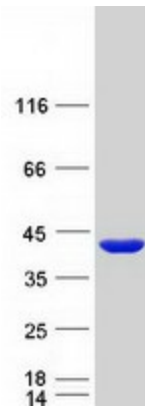
### Product images:



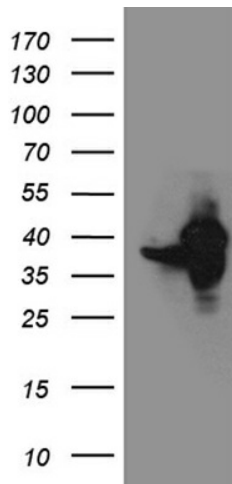
Circular map for RC201175



Western blot validation of overexpression lysate (Cat# [LY404361]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC224373] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GIPC1 protein (Cat# [TP301175]). The protein was produced from HEK293T cells transfected with GIPC1 cDNA clone (Cat# RC201175) using MegaTran 2.0 (Cat# [TT210002]).



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GIPC1 (Cat# RC201175, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GIPC1 (Cat# [TA811914]). Positive lysates [LY404363] (100ug) and [LC404363] (20ug) can be purchased separately from OriGene.