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**Product Data Sheet**


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Product Name: GIPC1 Human  
 Cat. No.: GP23554  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PDZ domain-containing protein GIPC1; GAIP C-terminus-interacting protein; RGS-GAIP-interacting protein; RGS19-interacting protein 1; Tax interaction protein 2; TIP-2; GIPC1; C19orf3; GIPC; RGS19IP1; NIP; GIPC; IIP-1; SEMCAP; Hs.6454; MGC3774; GLUT1CBP; MGC15889. SYNECTIN; SYNECTIIN.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MPLGLGRRKK APPLVNEEA EPGRGGLGVG EPGPLGGGGS GGPQMGLPPP PPALRPRLVF HTQLAHGSPT GRIEGFTNVK ELYGKIAEAF RLPTAEVMFC TLNTHKVDMD KLLGGQIGLE DFIFAHVKGQ RKEVEVFKSE DALGLTITDN GAGYAFIKRI KEGSVIDHIH LISVGD MIEA INGQSLGCR HYEVARLLKE LPRGRTFTLK LTEPRKAFDM ISQRSAGGRP GSGPQLGTGR GTLRLRSRGP ATVEDLPSAF EEKAIEKVDD LLESYMGIRD TELAATMV EL GKDKRNPDEL AEALDERLGD FAFPDEFVFD VWGAIGDAKV GRY.		
Formulation	GIPC1 Human solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl, 1mM EDTA & 20% glycerol.		

**Introduction**

GIPC1 is a PDZ domain protein that cooperates with RGS-GAIP and the viral oncoprotein TAX, which transactivates viral and cellular promoters throughout interactions with different transcription factors. GIPC1 particularly localizes to clusters of vesicles close to the plasma membrane and takes part in G protein-coupled signaling pathway participating in regulating Clathrin-coated vesicular trafficking. GIPC1 cooperates with membrane bound Semaphorin F, which is takes part in neuronal axon growth, and controls the subcellular distribution of M-SemF in the brain.

**Stability**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

GIPC1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 353 amino acids (1-333 a.a) and having a molecular mass of 38.2kDa. The GIPC1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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