Recombinant human GIPC1 protein

Catalog Number: ATGP0613

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-333aa

UniProt No.
O14908

NCBI Accession No.
NP_974199

Alternative Names
PDZ domain-containing protein GIPC1, C19orf3, GIPC, GLuT1CBP, Hs.6454, IIP-1, NIP, SEMCAP, SYNECTIIN, SYNECTIN, TIP-2, RGS19IP1, PDZ domain-containing protein GIPC1, Chromosome 19 open reading frame 3, GIPC, IIP 1, TIP 2, GIPC 1

PRODUCT SPECIFICATION

Molecular Weight
38.2 kDa (353aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 1mM DTT, 0.1M NaCl, and 1mM EDTA

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
GIPC1 is a PDZ domain containing protein that interacts with RGS-GAIP and the viral oncoprotein TAX, which transactivates viral and cellular promoters through interactions with various transcription factors. GIPC specifically localizes to clusters of vesicles near the plasma membrane and participates in G protein-coupled signaling pathway involved in regulating Clathrin-coated vesicular trafficking. GIPC also associates with

membrane bound Semaphorin F (M-SemF), which is involved in neuronal axon growth, and it appears to regulate the subcellular distribution of M-SemF in the brain. Recombinant human GIPC1 protein, fused to at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

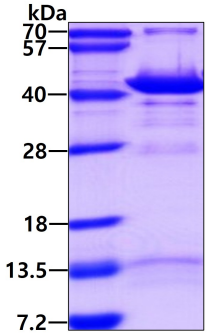
<MGSSHHHHHH SSGLVPRGSH> MPLGLGRRKK APPLVENEEA EPGRGGLGVG EPGPLGGGGS GGPQMGLPPP PPALRPRLVF HTQLAHGSPT GRIEGFTNVK ELYGKIAEAF RLPTAEVMFC TLNTHKVDMD KLLGGQIGLE DFIFAHVKGQ RKEVEVFKSE DALGLTITDN GAGYAFIKRI KEGSVIDHIH LISVGDMIEA INGQSLLGCR HYEVARLLKE LPRGRTFTLK LTEPRKAFDM ISQRSAGGRP GSGPQLGTGR GTLRLRSRGP ATVEDLPSAF EEKAIEKVDD LLESYMGIRD TELAATMVEL GKDKRNPDEL AEALDERLGD FAFPDEFVFD VWGAIGDAKV GRY

General References

Lee NY., et al. (2008) J Biol Chem. 283(47):32527-33.
De Vries L., et al. (1998) Proc Natl Acad Sci u S A. 95(21):12340-5.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.