

Product information

GIPC2, 1-315aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1400

Full name: PDZ domain containing family, member 2

NCBI Accession No.: AAH36075

Synonyms: SEMCAP2

Description: GIPC2, also known as, SEMCAP2 contains 315 amino acid protein that localizes to the cytoplasm and contains one PDZ domain. GIPC2 is expressed at high levels in kidney and colon and at lower levels in adult liver. It might play important roles in human gastric cancer through modulation of growth factor signaling or cell adhesion. Recombinant human GIPC2 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

Molecular Weight: 36.9 kDa (339aa) confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSHMPLKLR GKKA KSKET AGLVEGEPTG AGGGSLSASR APARRLVFHA QLAHGSATGR VEGFSSIQEL
 YAQIAGAFEI SPSEILYCTL NTPKIDMERL LGGQLGLEDF IFAHVKGIEK EVNVYKSEDS LGLTITDNGV GYAFIKRIKD GGVIDSVKTI
 CVGDHIESIN GENIVGWRHY DVAKKLKELK KEELFTMKLI EPKKA FEIEP RSKAGKSSGE KIGCGRATLR LRSKGPATVE EMPSETKAKA
 IEKIDVLEL YMGIRDIDLA TTMFEAGKDK VNPDEFAVAL DETLGDFAFP DEFVFDVWGV IGDARRGL

General references:

Katoh M., *et al.* (2002) *J Mol Med.* 9:585-589.

Kirikoshi H., *et al.* (2002) *J Oncol.* 20:1183-1187.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.