

GIPC2, 1-315aa, Human, His tag, E.coli

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3th Edition

Synonyms:PDZ domain containing family, member 2, 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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMPLKLRGKKKAKSKETAGLVEGEPTGAGGGSLASRAPARRLVFHAQLA
HGSATGRVEGFSSIQELYAQIAGAFEISPSEILYCTLNTPKIDMERLLGGQLGLEDFIFAHVKGIEKEVNVYKSEDSL
LTITDNGVGYAFIKRIKDGVIDSVKTCVGDHIESINGENIVGWRHYDVAKKLKELKKEELFTMKLIEPKKA
FEIEPRS
KAGKSSGEKIGCGRATLRLRSKGPATVEEMPSETKAKAIEKIDDVLELYMGIRDIDLATTMFEAGKDKVNP
DEFAVAL
DETLGDFAFPDEFVFDVWGVIGDAKRRGL

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.