
Product Data Sheet

Product Name: GIPC2 Human
 Cat. No.: GP23555
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GIPC PDZ domain containing family member 2; SEMCAP-2; PDZ domain-containing protein GIPC2; semaphorin cytoplasmic domain associated protein 2; semaF cytoplasmic domain associated protein 2; SEMCAP2; FLJ20075.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMPLKLR GKAKKAKSKET AGLVEGEPTG AGGGSLASASR APARRLVFHA QLAHGSATGR VEGFSSIQEL YAQIAGAFEI SPSEILYCTL NTPKIDMERL LGGQLGLEDF IFAHVKGIEK EVNVYKSEDS LGLTITDNGV GYAFIKRIKD GGVIDSVKTI CVGDHIESIN GENIVGWRHY DVAKKLKELK KEELFTMKLI EPKKAFFIEP RSKAGKSSGE KIGCGRATLR LRSKGPATVE EMPSETKAKA IEKIDDVLEL YMGIRDIDLA TTMFEAGKDK VNPDEFAVAL DETLGDFAFP DEFVFDVWGV IGDAKRRGL		
Formulation	The GIPC2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 30% glycerol.		

Introduction

GIPC2 is a 315 aa protein which is restricted to the cytoplasm and holds one PDZ domain. GIPC2 is expressed in large quantities in colon and kidney and in small quantities in adult liver. GIPC2 has a vital part in human gastric cancer by control of growth factor signaling or cell adhesion.

Stability

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

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

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GIPC2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 339 amino acids (1-315) and having a molecular mass of 36.9kDa. GIPC2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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