Recombinant Human Golgi associated PDZ and coiled-coil motif containing, His-tagged

Cat. No. GOPC-1941H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GOPC protein fused to his-tag was expressed in*E.coli*and purified by using conventional chromatography techniques. 21.5 kDa (198aa).
Species	Human
Source	E.coli
Description	GOPC, also known as PIST, is a PDZ domain-containing Golgi protein. This protein functions as a homooligomer that interacts with a variety of proteins and plays a role in intracellular protein trafficking and degradation. Additionally, GOPC is thought to regulate ionic currents via membrane channel modification and may also play a role in autophagy. Chromosomal aberrations in the gene encoding GOPC are found in glioblastoma multiform (GBM), a common and aggressive form of brain tumor, suggesting a role for mutated PIST in carcinogenesis.
Purity	> 90% by SDS – PAGE.
Physical Appearance	Liquid.
Formulation	In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino	MGSSHHHHHH SSGLVPRGSH MIRKVLLLKE DHEGLGISIT GGK EHGVPIL

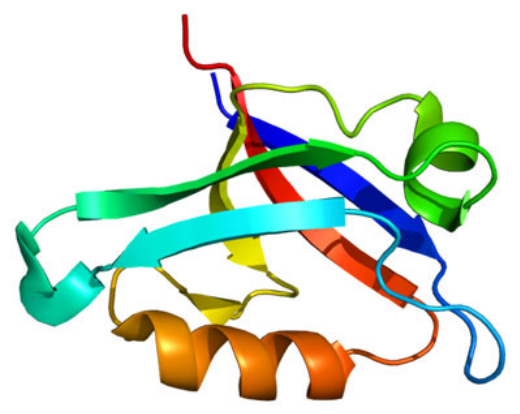
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Acids	ISEIHPGQPA DRCGGLHVGD AILAVNGVNL RDTKHKEAVT ILSQ QRGEIE FEVVYVAPEV DSDDENVEYE DESGHRYRLY LDEL EGGGNP GASCKDTSGE IKVLQGFNKK AVTDTHENGD LGTASETPLD DGASKLDDLH TLYHKKSY.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	GOPC golgi-associated PDZ and coiled-coil motif containing [Homo sapiens]
Synonyms	GOPC; golgi associated PDZ and coiled-coil motif containing; CAL; FIG; PIST; GOPC1; AI844555; 2210402P09Rik; PDZ domain-containing protein PIST; PDZ protein interacting specifically with TC10; golgi-associated PDZ and coiled-coil motif-containing protein; dJ94G16.2; Fused in glioblastoma; CFTR-associated ligand; Golgi associated PDZ and coiled-coil motif containing protein; PDZ/coiled-coil domain binding partner for the rho-family GTPase TC10.
Gene ID	57120
mRNA Refseq	NM_001017408
Protein Refseq	NP_001017408
MIM	606845
UniProt ID	Q9HD26
Chromosome Location	6q21

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Function	cystic fibrosis transmembrane conductance regulator binding; protein binding; small GTPase regulator activity
PDB rendering based on 2dc2.	

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