

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 <i>E.coli</i> and purified by using conventional chromatography techniques. 21.5 kDa (198aa).
Species	Human
Source	<i>E.coli</i>
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 MIRKVVLLKE DHEGLGISIT G GK EHGVPIL

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Acids

ISEIHPGQPA DRCGGLHVGD AILAVNGVNL RDTKHKEAVT ILSQ QRGEIE
 FEVVYVAPEV DSDDENVEYE DESGHRYRLY LDEL EGGGNP GASCKDTSGE
 IKVLQGFNKK AVTDTHENGD LGTASETPLD DGASKLDDLH TLYHKKSYS.

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

 Tel: 1-631-559-9269 1-516-512-3133

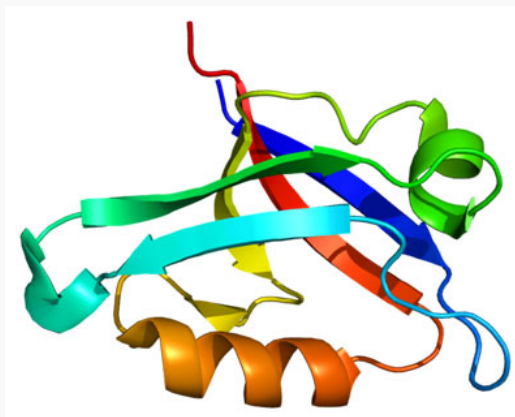
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Function

cystic fibrosis transmembrane conductance regulator binding; protein binding; small GTPase regulator activity

PDB rendering based
on 2dc2.



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