9051 Mira Mesa Blvd, #910094
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GOPC Human

Golgi-Associated PDZ and Coiled-Coil Motif Containing Human Recombinant RCP0950

Product Overview

Name	GOPC Human

Description

Golgi-Associated PDZ and Coiled-Coil Motif Containing Human Recombinant

Accession (Primary)	Q9HD26

Synonyms

CAL, dJ94G16.2, FIG, GOPC1, PIST, Golgi-associated PDZ and coiled-coil motif-containing protein, PDZ protein interacting specifically with TC10, CFTR-associated ligand, Fused in glioblastoma, GOPC.

Introduction

GOPC is a PDZ domain-containing Golgi protein which binds the extreme C terminus of proteins in a sequence-specific manner. GOPC participates in intracellular protein trafficking and degradation. GOPC regulates CFTR chloride currents and acid-induced ACCN3 currents by modulating cell surface expression of both channels. GOPC regulates the intracellular trafficking of the ADR1B receptor. GOPC takes part in autophagy. GOPC over expression results in CFTR intracellular retention and degradation in the lysosomes.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The GOPC protein solution contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MIRKVLLLKE DHEGLGISIT GGKEHGVPIL ISEIHPGQPA DRCGGLHVGD AILAVNGVNL RDTKHKEAVT ILSQQRGEIE FEVVYVAPEV DSDDENVEYE DESGHRYRLY LDELEGGGNP GASCKDTSGE IKVLQGFNKK AVTDTHENGD LGTASETPLD DGASKLDDLH TLYHKKSY.

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Precautions

GOPC Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9HD26)