

32-3910: GOPC Recombinant Protein

Alternative Name : 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.

Description

Source : Escherichia Coli. GOPC Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 198 amino acids (278-454 a.a.) and having a molecular mass of 21.5 kDa. The GOPC is fused to a 20 amino acid His Tag and purified by conventional chromatography. 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.

Product Info

Amount : 25 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The GOPC protein solution contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.
Storage condition : GOPC although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MIRKVLLEKE DHEGLGISIT GGKEHGVPI ISEIHGQPA DRCGGLHVGD AILAVNGVNL RDTKHKEAVT ILSQQRGEIE FEVYVAPEV DSDDENVEYE DESGHRYRLY LDELEGGNP GASCKDTSGE IKVLQGFNKK AVTDTHENG D LGTASETPLD DGASKLDDLH TLYHKKSY.