Recombinant human Secretagogin protein

Catalog Number: ATGP0722

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-276aa

UniProt No.
O76038

NCBI Accession No.
NP_008929

Alternative Names
Secretagogin, CALBL, DJ501N12.8, SECRET, SEGN, setagin, Secretagogin

PRODUCT SPECIFICATION

Molecular Weight
34.2 kDa (296aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
SCGN, also known as secretagogin, is a cytoplasmic protein that contains six EF-hand domains and is related to the calicium-binding proteins Calretinin and Calbindin D28K. This protein is thought to be involved in cell proliferation and KCl (potassium chloride) -mediated calcium flux events. Through its interaction with KCl and its subsequent ability to modulate calcium storage pools within the cell, SCGN may function to negatively control growth and differentiation rates and, thus, indirectly inhibit cell replication. Recombinant SCGN protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

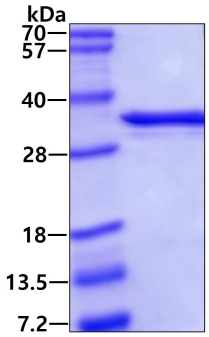
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General References

Wagner L., et al. (2000) J Biol Chem. 275(32):24740-51.
Gartner W., et al. (2001) Cereb Cortex. 11(12):1161-9.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.