

Recombinant human ZG16 protein

Catalog Number: ATGP2619

PRODUCT INFORMATION

Expression system

E.coli

Domain

17-167aa

UniProt No.

O60844

NCBI Accession No.

NP_689551

Alternative Names

zymogen granule membrane protein 16 precursor, zymogen granule membrane protein 16 precursor, JCLN, JCLN1, ZG16A

PRODUCT SPECIFICATION

Molecular Weight

19 kDa (174aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity

> 95% 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

ZG16 may play a role in protein trafficking. It may act as a linker molecule between the submembranous matrix on the luminal side of zymogen granule membrane (ZGM) and aggregated secretory proteins during granule formation in the TGN. Recombinant human ZG16 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSNAIQARS SSYSGEYGGG GGKRFHSHGN QLDGPITALR VRVNTYYIVG LQVRYGKVWS
DYVGGRRNGDL EEIFLHPGES VIQVSGKYKW YLKKLVFVTD KGRYLSFGKD SGTSFNAVPL HPNTVLRFIS GRSGSLIDAI
GLHWDVYPTS CSRC

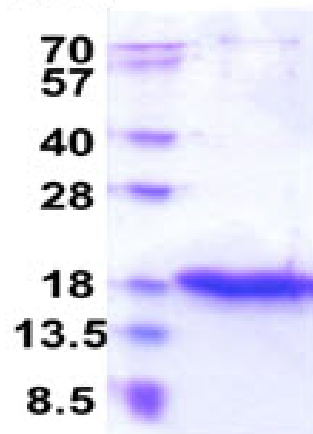
General References

Zhou Y.B., et al (2007). *Biochem. Biophys. Res. Commun.* 355:679-686
Kanagawa M., et al (2011). *Biochem. Biophys. Res. Commun.* 404:201-205

DATA

SDS-PAGE

(kDa)



15% SDS-PAGE (3ug)

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