

AR51439PU-S

Human ZG16 (17-167, His-tag) - Purified

Alternate names:

Secretory lectin ZG16, Zymogen granule membrane protein 16

Quantity:

20 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q60844](#)

NCBI:

[NP_689551](#)

GeneID:

[653808](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Description:

Recombinant human ZG16 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSNAIQARS SSYSGEYGGG GGRFSGHSGN QLDGPITALR
VRVNTYYIVG LQVRYGKVWS DYVGGRNGDL EEIFLHPGES VIQVSGKYKW YLKKLVFVTD
KGRYLSFGKD SGTSFNAVPL HPNTVLRFFIS GRGSLIDAI GLHWDVYPTS CSRC

Molecular weight: 19.0 kDa (174aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

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

Pictures:

