
Product Data Sheet

Product Name: ZG16 Human

Cat. No.: GP25046

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Zymogen granule membrane protein 16; Zymogen granule protein 16; hZG16; Secretory lectin ZG16; ZG16; JCLN; JCLN1; ZG16A; FLJ43571; FLJ92276; MGC34820; MGC183567.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSNAIQARS SSYSGEYGGG GGKRFSHSGN QLDGPITALR VRVNTYYIVG LQVRYGKVWS DYVGGRNGDL EEIFLHPGES VIQVSGKYKW YLKLVFVTD KGRYLSFGKD SGTSFNAVPL HPNTVLRFIS GRSGLIDAI GLHWDVYPTS CSRC.		
Formulation	The ZG16 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

Introduction

Zymogen Granule Protein 16 Homolog (ZG16) is a member of the jacalin lectin family. ZG16 may have a role in protein trafficking and 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. ZG16 is highly expressed in the liver, but can also be detected at lower levels in colon, ileum and jejunum.

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.

Background

ZG16 Human Recombinant produced in E. coli is a single polypeptide chain containing 174 amino acids (17-167) and having a molecular mass of 19kDa. ZG16 is fused to a 23

Caution: Product has not been fully validated for medical applications. For research use only.

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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