

# Recombinant Human zymogen granule protein 16, His-tagged

Cat. No. ZG16-522H Lot. No. (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | ZG16, 17-167aa Human, His tag, E.coli  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 17-167 a.a.  |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT  |
| <b>Molecular Mass</b>   | 19.0 kDa (174aa) confirmed by MALDI-TOF  |
| <b>AA Sequence</b>      | MGSSHHHHHH SGLVPRGSH MGSNAIQARS SSYSGEYGGG GKRFSHSGN<br>QLDGPITALR VRVNTYYIVG LQVRYGKVWS DYVGGRNGDL EEIFLHPGES<br>VIQVSGKYKW YLKKLVFVTD KGRYLSFGKD SGTSFNAVPL HPNTVLRFIS<br>GRSGSLIDAI GLHWDVYPTS CSRC   |
| <b>Purity</b>           | >95 % by SDS - PAGE  |

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**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** ZG16?zymogen granule protein 16 [?Homo sapiens?(human) ]

**Official Symbol** ZG16

**Synonyms** ZG16; JCLN; JCLN1; ZG16A; zymogen granule protein 16; zymogen granule membrane protein 16; secretory lectin ZG16; zymogen granule protein 16 homolog; jacalin-like lectin domain containing

**Gene ID** [653808](#)

**mRNA Refseq** [NM\\_152338](#)

**Protein Refseq** [NP\\_689551](#)

**UniProt ID** [O60844](#)

**Chromosome Location** 16p11.2

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