# ZG16 Protein, Human (HEK293, Fc)

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| **Cat. No.:** | HY-P77285 |
| **Synonyms:** | Zymogen Granule Membrane Protein 16; Zymogen Granule Protein 16; hZG16; Secretory Lectin ZG16; ZG16 |
| **Species:** | Human |
| **Source:** | HEK293 |
| **Accession:** | O60844 (M1-C167) |
| **Gene ID:** | 653808 |
| **Molecular Weight:** | Approximately 43.1 kDa. |

## PROPERTIES

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| **Appearance** | Lyophilized powder. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| **Endotoxin Level** | <1 EU/μg, determined by LAL method. |
| **Reconsititution** | It is not recommended to reconstitute to a concentration less than 100 μg/mL in $ddH_2O$. |
| **Storage & Stability** | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| **Shipping** | Room temperature in continental US; may vary elsewhere. |

## DESCRIPTION

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| **Background** | ZG16 protein is implicated in potentially playing a role in protein trafficking, specifically functioning as a linker molecule during granule formation within the trans-Golgi network (TGN). Its potential involvement in protein trafficking suggests a role in the dynamic process of transporting proteins within the cell. Notably, ZG16 may act as a crucial linker between the submembranous matrix on the luminal side of zymogen granule membrane (ZGM) and aggregated secretory proteins, emphasizing its significance in the intricate process of granule formation. The precise mechanisms and molecular interactions through which ZG16 orchestrates protein trafficking and facilitates granule formation merit further investigation to elucidate its functional contributions in cellular processes related to protein transport and secretion. |



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