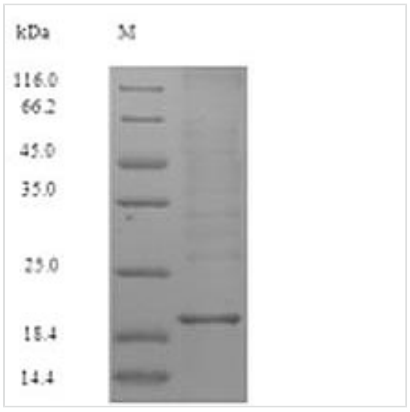
Recombinant Human Pancreatic adenocarcinoma up-regulated factor (ZG16B)

Product Code	CSB-EP836195HU
Abbreviation	Recombinant Human ZG16B protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q96DA0
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GKMYGPGGGKYFSTTEDYDHEITGLRVSVGLLLVKSVQVKLGDSWDVKLGAL GGNTQEVTLQPGEYITKVFVAFQAFLRGMVMYTSKDRYFYFGKLDGQISSAYP SQEGQVLVGIYGQYQLLGIKSIGFEWNYPLEEPTTEPPVNLTYSANSPVGR
Research Area	Immunology
Source	E.coli
Target Names	ZG16B
Expression Region	53-208aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	21.2kDa
Protein Length	Full Length of Mature Protein
Image	 (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Description	Amino acids 53-208 form the expressed segment for recombinant Human

ZG16B. The calculated molecular weight for this ZG16B protein is 21.2 kDa. This protein is generated in a e.coli-based system. Fusion of the N-terminal 6xHis tag into the ZG16B encoding gene fragment was conducted, allowing for easier detection and purification of the ZG16B protein in subsequent stages.

Human zymogen granule protein 16 homolog B (ZG16B) is primarily involved in endoplasmic reticulum-associated protein degradation (ERAD). Its main function centers around recognizing and guiding misfolded proteins for degradation, contributing to cellular quality control. In the realm of cellular and molecular research, the study of ZG16B offers valuable insights into the mechanisms governing protein quality control and ERAD processes. Given its association with digestive disorders and inflammatory responses, ZG16B holds significance in gastrointestinal research. Investigating ZG16B provides potential applications in unraveling protein homeostasis, understanding ER stress responses, and exploring therapeutic strategies for conditions related to protein misfolding and degradation.

Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.