

## Endoplasmic Reticulum Protein Extraction Kit

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The endoplasmic reticulum is present in various eukaryotic cells except mammalian mature erythrocytes. The endoplasmic reticulum is an interconnected laminar or small tubular system composed of biological membranes. The interstitial spaces between the membranes are called cisterns, which are usually not directly connected with the extracellular space and the cytoplasmic matrix. On the one hand, this intracellular membrane conduit system constitutes a pathway for the transport of intracellular substances, and on the other hand, it provides a broad reaction area for various enzymatic reactions in the cell. The function of the endoplasmic reticulum is related to protein synthesis, carbohydrate and lipid synthesis, detoxification, assimilation, and also has the function of transporting proteins. This Endoplasmic Reticulum Protein Extraction Kit can be used for the extraction of endoplasmic reticulum proteins from various animal cells and solid soft and hard tissue samples. The protein extracted by this kit can be used for downstream protein research experiments such as Western Blotting, protein electrophoresis, immunoprecipitation, ELISA, transcriptional activity analysis, Gel shift gel retardation experiment, and enzyme activity assay. The protein extracted by this kit is the active protein with the native protein conformation.

This kit does not contain EDTA, therefore this kit is compatible with downstream applications such as metal chelation and chromatography.

Catalog No.	501108
Size	50 preps
Product Category	Protein Isolation
Storage/Stability	2-8°C / 1year
Shipping	Gel Packs