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## Product Data Sheet

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Product Name: ERP27 Human  
 Cat. No.: GP23417  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Endoplasmic reticulum resident protein 27; ER protein 27; ERp27; ERP27; PDIA8; C12orf46; FLJ32115.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEVEKSSDGP GAAQEPTWLT DVPAAMEFIA ATEVAVIGFF QDLEIPAVPI LHSMVQKFPV VSGISTDSE VLTHYNITGN TICLFRLVDN EQLNLEDEDI ESIDATKLSR FIEINSLHMV TEYNPVTVIG LFNSVIQIHL LLIMNKASPE YEENMHRYQK AAKLFQGKIL FILVDSGMKE NGKVISFFKL KESQLPALAI YQTLDDDEWDT LPTAEVSVEH VQNFCDGFLS GKLLKENRES EGKTPKVEL.		
Formulation	The ERP27 solution (1mg/ml) contains 20mM Tris buffer (pH 8.0), 10% glycerol and 1mM DTT.		

### Introduction

Endoplasmic reticulum protein 27kDa (ERP27) is a widely expressed protein which localizes to the ER and may act as a protease, protein disulfide isomerase, thiol-disulfide oxidase or phospholipase. ERP27 doesn't contain a CXXC active site motif indicating that it is a catalytically redox-inactive member of the protein disulfide isomerase family.

### 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

ERP27 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 269 amino acids (26-273 a.a.) and having a molecular mass of 30kDa. The ERP27 is purified by proprietary

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

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chromatographic techniques.

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