

**ERP27, 26-273aa, Human, His tag, E.coli**

**Cat.NO.: TP02046**

3th Edition

**Synonyms:**Endoplasmic reticulum resident protein 27, PDIA8, C12orf46

**Description:**ERP27 (endoplasmic reticulum protein 27 kDa) is widely expressed protein that localize to the ER and may act as proteases, protein disulfide isomerases, thiol-disulfide oxidases or phospholipases. ERP27 does not contain a CXXC active site motif indicating that it is a catalytically redox-inactive member of the protein disulfide isomerase family. Recombinant human ERP27 protein was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol, 1mM DTT.

**Molecular Weight:**30 kDa (269aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMEVEKSSDGPAAQEPTWLTDVPAAMEFIAATEVAVIGFFQDLEIPAVPILHSMVQ  
KFPGVSGISTDSEVLTHYNITGNTICLFRVDNEQLNLEDEIDIESIDATKLSRFIEINSLHVMVTEYNPVTVIGLFNSVIQI  
HLLIMNKASPEYEENMHRYQKAAKLFQGKILFILVDSGMKENGKVISFFKLKESQLPALAIYQTLDDDEWDTLPTAEV  
SVEHVQNFCDGFLSGKLLKENRESEGKTPKVEL

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

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