

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:

MGSSHHHHHSSGLVPRGSHMEVEKSSDGPAAQEPTWLTDPAAAMEFIAATEVAVIGFFQDLEIPAVPILHSMVQ
KFPGVSGISTDSEVLTHYNITGNTICLFRVDNEQLNLEDEDIESIDATKLSRFIEINSLHMTVEYNPVTVIGLFNSVIQI
HLLIMNKASPEYEENMHRYQKAALFQGKILFILVDSGMKENGKVISFFKLKESQLPALAIYQTLDDDEWDTLPTAEV
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.