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Recombinant human ERP27 protein

Catalog Number: ATGP0829

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-273aa

UniProt No.

096DN0

NCBI Accession No.

NP 689534

Alternative Names

Endoplasmic reticulum resident protein 27, PDIA8, C12orf46

PRODUCT SPECIFICATION

Molecular Weight

30 kDa (269aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.



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Amino acid Sequence

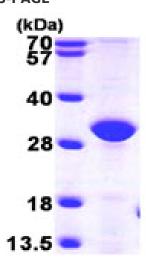
MGSSHHHHHH SSGLVPRGSH MEVEKSSDGP GAAQEPTWLT DVPAAMEFIA ATEVAVIGFF QDLEIPAVPI LHSMVQKFPG VSFGISTDSE VLTHYNITGN TICLFRLVDN EQLNLEDEDI ESIDATKLSR FIEINSLHMV TEYNPVTVIG LFNSVIQIHL LLIMNKASPE YEENMHRYQK AAKLFQGKIL FILVDSGMKE NGKVISFFKL KESQLPALAI YQTLDDEWDT LPTAEVSVEH VQNFCDGFLS GKLLKENRES EGKTPKVEL

General References

Alanen HI., et al. (2006) J Biol Chem. 281(44):33727-38. Alanen HI., et al. (2003) J Biol Chem. 278(31):28912-20.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)