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Recombinant human TXNDC12 protein

Catalog Number: ATGP1591

PRODUCT INFORMATION

Expression system
E.coli

Domain
27-172aa

UniProt No.
O95881

NCBI Accession No.
NP_056997

Alternative Names
Thioredoxin domain-containing protein 12, AG1; AGR1; ERP18; ERP19; hAG-1; PDIA16; TLP19

PRODUCT SPECIFICATION

Molecular Weight
20.8 kDa (184aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

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
TXNDC12 belongs to the thioredoxin super family. Members of this super family possess a thioredoxin fold with a consensus active-site sequence (CxxC) and have roles in redox regulation, defense against oxidative stress, refolding of disulfide-containing proteins, and regulation of transcription factors. Recombinant human TXNDC12 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

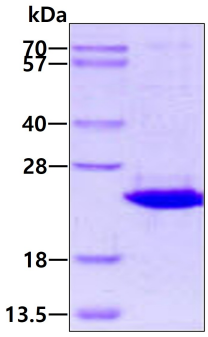
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General References

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.