

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

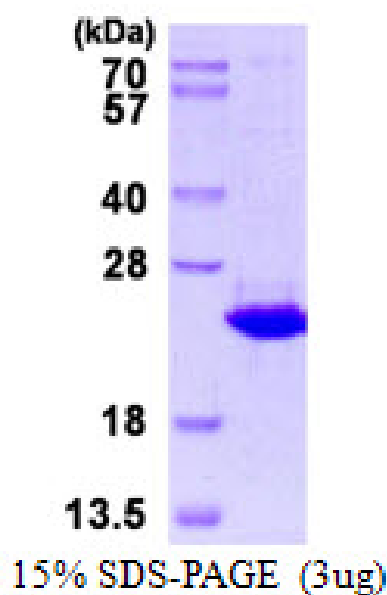
MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSHMHN GLGKGFGDHI HWRTLEDGKK EAAASGLPLM
VIIHKS WC GA CKALKPKFAE STEISELSHN FVMVNLEDEE EPKDEDFSPD GGYIPRILFL DPSGKVHPEI INENGNP SYK
YFYVSAEQVV QGMKEAQERL TGDAFRKKHL EDEL

General References

Alanen H., 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.