www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

TXNDC12 Human

Catalog #:PRPS-1140

For research use only.

Description:TXNDC12 Human Recombinant produced in E. coli is a single polypeptide chain containing 184 amino acids (27-172) and having a molecular mass of 20.8 kDa.TXNDC12 is fused to a 38 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Thioredoxin domain containing 12 (endoplasmic reticulum), Endoplasmic reticulum resident protein 18, Endoplasmic reticulum resident protein 19, endoplasmic reticulum thioredoxin superfamily member 18 kDa, thioredoxin domain-containing protein 12, protein

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMHN GLGKGFGDHI HWRTLEDGKK EAAASGLPLM VIIHKSWCGA CKALKPKFAE STEISELSHN FVMVNLEDEE EPKDEDFSPD GGYIPRILFL DPSGKVHPEI INENGNPSYK YFYVSAEQVV QGMKEAQERL TGDAFRKKHL EDEL

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The TXNDC12 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
TXNDC12 is a member of the thioredoxin super family. This Family members have a thioredoxin fold with a consensus active-site sequence (CxxC) and take part in redox regulation, protection against oxidative stress, refolding of disulfide-containing proteins, and regulation of transcription factors.

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