
Product Data Sheet

Product Name: TXNDC12 Human
 Cat. No.: GP24926
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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 disulfide isomerase family A member 16; endoplasmic reticulum protein ERp19; anterior gradient homolog 1; Thioredoxin-like protein p19; ER protein 18; ERP18; ER protein 19; ERP19; ERP16; TLP19; AGR1; PDIA16; hAG-1; EC 1.8.4.2.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMHN GLGKGF GDHI HWRTLEDGKK EAAASGLPLM VIIHKS WCGA CKALKPKFAE STEISELSHN FVMVNLEDEE EPKDEDFSPD GGYIPRILFL DPSGKVHPEI INENGNPSYK YFYVSAEQVV QGMKEAQERL TGDAFRKKHL EDEL		
Formulation	The TXNDC12 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.		

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.

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

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.

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