



Recombinant Protein Technical Manual  
Recombinant Human TXNDC12/ERp18 Protein (His  
Tag)  
RPES0665

### Product Data:

**Product SKU:** RPES0665

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** O95881

### Protein Information:

**Molecular Mass:** 17.0 kDa

**AP Molecular Mass:** 18 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 10% Glycerol, pH 7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Thioredoxin Domain-Containing Protein 12; Endoplasmic Reticulum Resident Protein 18; ER Protein 18; ERp18; Endoplasmic Reticulum Resident Protein 19; ER Protein 19; ERp19; Thioredoxin-Like Protein p19; hTLP19; TXNDC12; TLP19

## Immunogen Information:

**Sequence:** His27-Leu168

## Background:

Thioredoxin Domain-Containing Protein 12 belongs to the thioredoxin superfamily. In this family, proteins 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. TXNDC12 is widely expressed in many tissues and contains one thioredoxin domain.