

TXNDC12 Protein, Human, Recombinant (His)

General Information

Synonyms:	TLP19;ERp19;Thioredoxin Domain-Containing Protein 12;hTLP19;Endoplasmic Reticulum Resident Protein 19;ERp18;Thioredoxin-Like Protein p19;ER Protein 18;Endoplasmic Reticulum Resident Protein 18;TXNDC12;ER Protein 19
Protein Construction:	His27-Leu168
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O95881
Molecular Weight:	18 KDa (reducing condition)
AA Sequence:	His27-Leu168

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by reducing SDS-PAGE.
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 10% Glycerol, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

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