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Datasheet for ABIN1097634
TXNDC12 Protein (AA 27-168) (His tag)

Overview

Quantity:	50 µg
Target:	TXNDC12
Protein Characteristics:	AA 27-168
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TXNDC12 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Thioredoxin Domain-Containing Protein 12/TXNDC12/ERp18 (C-6His)
Sequence:	HNGLGKGF GD HIHWRTLEDG KKEAAASGLP LMVIIHKS WC GACKALKPKF AESTEISELS HNFVMVNLED EEEPKDEDFS PDGGYIPRIL FLDPGK VHP EIINENGNPS YKYFYVSAEQ VVQGMKEAQE RLTGDAFRKK HLVDHHHHHH
Characteristics:	Recombinant Human Thioredoxin Domain-Containing Protein 12/TXNDC12 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (His27-Leu168) of Human TXNDC12 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	TXNDC12
Alternative Name:	TXNDC12 (TXNDC12 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: 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</p>
Molecular Weight:	16.98 kDa
UniProt:	O95881
Pathways:	Cell RedoxHomeostasis

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 10 % Glycerol, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months