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Datasheet for ABIN7319093 TMX2 Protein (His tag)

Overview

Quantity:	50 µg
Target:	TMX2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMX2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TMX2/TXNDC14 Protein (His Tag)
Sequence:	Met 125-Lys296
Characteristics:	Recombinant Human Thioredoxin-related transmembrane protein 2 is produced by our E.coli expression system and the target gene encoding Met125-Lys296 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TMX2
Alternative Name:	TMX2/TXNDC14 (TMX2 Products)
Background:	Background: TMX2 is a single-pass type I membrane protein and contains 1 thioredoxin domain. Thioredoxin plays an important role in various cellular processes through redox

Target Details

regulation. The molecular cloning and characterization of one member of the thioredoxin superfamily, designated as TMX2. The TMX2 cDNA consists of 1644 nucleotides and contains an open reading frame encoding a protein of 372 amino acids with a predicted molecular mass of 42.5 kDa and an isoelectric point of 8.94. The TMX2 protein may possess an N-terminal signal peptide, a potential transmembrane domain, an Myb DNA-binding domain repeat signature, a thioredoxin consensus pattern, an endoplasmic reticulum (ER) membrane retention signal (KKXX-like motif), and a dileucine motif in the tail.

Synonym: Thioredoxin-related transmembrane protein 2, Cell proliferation-inducing gene 26 protein, Thioredoxin domain-containing protein 14, TMX2

Molecular Weight: 21.9 kDa

UniProt: [Q9Y320](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.