TXNDC17 Protein, Human

Cat. No.:	HY-P77268
Synonyms:	Thioredoxin domain-containing protein 17; TRP14; Protein 42-9-9; TXNL5
Species:	Human
Source:	E. coli
Accession:	A0A140VJY7 (M1-D123)
Gene ID:	84817
Molecular Weight:	Approximately 13.9 kDa

PROPERTIES

AA Sequence	M A R Y E E V S V S G F E E F H R A V E Q H N G K T I F A Y F T G S K D A G G K S W C P D C V Q A E P V V R E G L K H I S E G C V F I Y C Q V G E K P Y W K D P N N D F R K N L K V T A V P T L L K Y G T P Q K L V E S E C L Q A N L V E M L F S E D
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Thioredoxin domain-containing protein 17 (TXNDC17) is a novel 14-kDa disul-fide reductase of the TXN (thioredoxin) family. It has peroxidase activity and protein-disulfide reductase (NAD(P)) activity. TXNDC17 is involved in the TNF (tumor necrosis factor) signaling pathway. TXNDC17 inhibits the pathways of nuclear factor-kappaB (NF-kappaB), mitogen-activated protein kinases, and apoptosis in cells stimulated with tumor necrosis factor-alpha (TNF-alpha). In addition, TXNDC17 is an efficient S-denitrosylase with similar efficiency as Trx1 in catalyzing TrxR1-dependent denitrosylation of S-nitrosylated glutathione or of HEK293 cell-derived S-nitrosoproteins[1][2].

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

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