

TXNDC17 Protein, Human, Recombinant (GST)

General Information

Synonyms:	Protein 42-9-9;14 kDa thioredoxin-related protein (TRP14);TXNL5;TXNDC17;Thioredoxin domain-containing protein 17;Thioredoxin-like protein 5
Protein Construction:	1-123 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q9BRA2
Molecular Weight:	40.9 kDa (predicted)
AA Sequence:	MARYEEVSVSGFEEFHRAVEQHNGKTIFAYFTGSKDAGGKSWCPDCVQAEPVVREGLKHISEGCVFIYCQVGE KPYWKDPNNDFRKLNKVTAVPTLLKYGTPQKLVESECLQANLVEMLFSED

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:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Disulfide reductase. May participate in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyze dithiol-disulfide exchange reactions. Modulates TNF-alpha signaling and NF-kappa-B activation. Has peroxidase activity and may contribute to the elimination of cellular hydrogen peroxide.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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