

## 32-9112: Recombinant Human Thioredoxin/TXN (C-Avi&His)

**Alternative Name :** Thioredoxin1; Thioredoxin-1; Trx1; TXN; TXN1

### Description

Source : E. coli;

Thioredoxin (TXN) is a small ubiquitous protein in all cells that plays an important role in cellular redox reactions. It is secreted by lymphocytes, hepatocytes, fibroblasts, and several tumor cells. TXN is up-regulated under stress conditions such as hypoxia, elevated hydrogen peroxide concentrations, photochemical oxidative stress, and viral and bacterial infections. TXN modulates the growth factor activities, and the antioxidant properties, as well as act as a cofactor that provides reducing equivalents, and transcriptional regulation.

### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 2µM Na<sub>2</sub>HPO<sub>4</sub>, 2µM NaH<sub>2</sub>PO<sub>4</sub>, pH7.4.

**Amino Acid :** Recombinant Human Thioredoxin is produced by E.coli. The target gene encoding M1-V105 is expressed with a Avi&6His tag at the C-terminus.