

## Recombinant Human TXNDC15 Protein (His Tag)

Catalog Number: PKSH033107

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

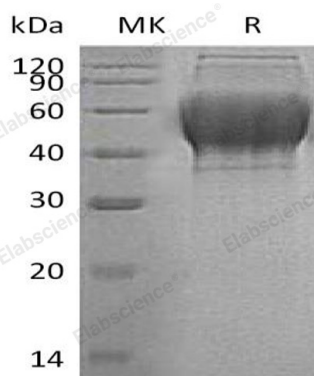
### Description

Species	Human
Source	HEK293 Cells-derived Human TXNDC15 protein Val33-Ser321, with an C-terminal His
Calculated MW	32.5 kDa
Observed MW	50-90 kDa
Accession	Q96J42
Bio-activity	Not validated for activity

### Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Reconstitution	Please refer to the specific buffer information in the printed manual.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Thioredoxin domain-containing protein 15 (TXNDC15) is a single-pass type I membrane protein. Mature Human TXNDC15 consists of a 289 amino acid (aa) extracellular region (ECD) with one thioredoxin domain, a 21 aa transmembrane domain, and a 18 aa cytoplasmic region. It has 2 isoforms produced by alternative splicing. Thioredoxins comprise a family of small proteins that, by catalyzing the oxidation of disulfide bonds, participate in redox reactions throughout the cell. Proteins that contain thioredoxin domains do not necessarily convey the oxidative properties of thioredoxins, but generally function as disulfide isomerases that enzymatically rearrange disulfide bonds found in various proteins.

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