

# Recombinant Human TXNDC5 293 Cell Lysate

**Cat. No.** TXNDC5-622HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>         | Antigen standard for thioredoxin domain containing 5 (TXNDC5), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.                                                                                     |
| <b>Components</b>          | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| <b>Size</b>                | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Instruction</b> | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.                                                                                                                                                                                                                                                                   |

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**Applications**

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

**GENE INFORMATION**
**Gene Name**

TXNDC5 thioredoxin domain containing 5 (endoplasmic reticulum) [ Homo sapiens ]

**Official Symbol**

TXNDC5

**Synonyms**

TXNDC5; thioredoxin domain containing 5 (endoplasmic reticulum); thioredoxin domain containing 5; thioredoxin domain-containing protein 5; EndoPDI; ERp46; FLJ21353; FLJ90810; Hcc 2; MGC3178; PDIA15; protein disulfide isomerase family A; member 15; ER protein 46; thioredoxin related protein; thioredoxin-like protein p46; endoplasmic reticulum protein ERp46; endothelial protein disulphide isomerase; endoplasmic reticulum resident protein 46; protein disulfide isomerase family A, member 15; ERP46; HCC-2; STRF8; UNQ364; ENDOPDI; FLJ21789;

**Gene ID**

81567

**mRNA Refseq**

NM\_001145549

**Protein Refseq**

NP\_001139021

**UniProt ID**

Q8NBS9

**Chromosome Location**

6p24.3

**Pathway**

Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Lysosome Vesicle Biogenesis,

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organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;  
Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein  
processing in endoplasmic reticulum, conserved biosystem; trans-Golgi Network  
Vesicle Budding, organism-specific biosystem;

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