

# Recombinant Human TXNDC5 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** TXNDC5-4466H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | TXNDC5 MS Standard C13 and N15-labeled recombinant protein (NP_110437) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal endoplasmic reticulum (ER)-signal sequence, three catalytically active thioredoxin domains and a C-terminal ER-retention sequence. Its expression is induced by hypoxia and its role may be to protect hypoxic cells from apoptosis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring upstream BLOC1S5 gene. |
| <b>Molecular Mass</b>   | 44.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MPARPGRLLPLLARPAALTALLLLLLGHGGGGRWGARAQEAADGPPAADGE<br>DGQDPHSHLYTADMFTHGIQSAAHFVMFFAPWCGHCQRLQPTWNLGDKYNSM<br>EDAKVYVAKVDCTAHSVCSAQGVRYPTLKLKPGQEAVKYQGPRDFQTLENWM<br>LQTLNEEPVTPPEPEVEPPSAPELKQGLYELSAFELHVAQGDHFIKFFAPWCGHCK<br>ALAPTWEQLALGLEHSETVKIGKVDCTQHYELCSGNQVRGYPTLLWFRDGGKKVDQY                                                                                                                                                                                                                                                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KGKRDLESLREYVESQLQRTETGATETVTPSEAPVLAAEPEADKGTVLALTENNFD  
TIAEGITFIKFYAPWCGHCKTLAPTWEELSKKEFPGLAGVKIAEVDCTAERNICKSKYS  
VRGYPTLLLFRGGKKVSEHSGGRDLDSLHRFVLSQAKDELTRTRPLEQKLISEEDLA  
ANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** TXNDC5 thioredoxin domain containing 5 [ Homo sapiens (human) ]

**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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

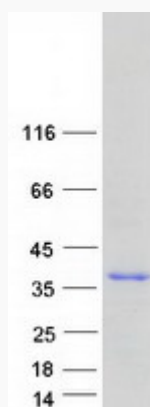
**mRNA Refseq** [NM\\_030810](#)

**Protein Refseq** [NP\\_110437](#)

**MIM** [616412](#)

**UniProt ID** [Q8NBS9](#)

**SDS-PAGE**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA