

Recombinant Human TXNDC Protein, MYC/DDK-tagged

Cat. No. TXNDC5-1108H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human thioredoxin domain containing 5 (endoplasmic reticulum) (TXNDC5), transcript variant 1 was expressed in HEK 293 cells with C-terminal MYC/DDK tag.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	44.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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Concentration >50 ug/mL as determined by microplate BCA method

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

mRNA Refseq NM_030810.4

Protein Refseq NP_110437

MIM 616412

UniProt ID Q8NBS9

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