

Recombinant Human TXNDC Protein, GST-tagged

Cat. No. TXNDC5-1110H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human TXNDC5 full-length ORF (AAH52310.1, 1 a.a. - 360 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	66.8 kDa
AA sequence	MTQSVDSNRGNRNEKRCGHCQRLQPTWNDLGDKYNSMEDAKVYVAKVDCTAHSD VCSAQGVRYPTLKLKFKPGQEAVKYQGPRDFQTLLENWMLQTLNEEPVTPEPEVEP PSAPELKQGLYELASNFELHVAQQGDHFIKFFAPWCGHCKALAPTWEQLALGLEHS ETVKIGKVDCTQHYELCSGNQVRGYPTLLWFRDGGKVDQYKGRDLESLREYVES QLQRTETGATETVTPSEAPVLAAEPEADKGTVLALTENNFDDTIAEGITFIKIFYAPWC

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GHCKTLAPTWEELSKKEFPGLAGVKIAEVDCTAERNICKYSVIRGYPTLLLFRGGKK
VSEHSGGRDLDSLHRFVLSQAKDEL

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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 BC052310.1

Protein Refseq AAH52310.1

MIM 616412

UniProt ID Q8NBS9

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